Canadian Intellectual Property Office
An Agency of Industry Canada

Office de la propriété intellectuelle du Canada
Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 146 No. 22 May 29, 2018

Vol. 146 No. 22 le 29 mai 2018

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

Table of Contents

Table des matières

Notices
Avis 1

Canadian Patents Issued
Brevets canadiens délivrés 24

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public 91

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 108

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 319

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 326

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 338

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 341

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 378

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

2,601,327
2,717,612
2,723,930
2,732,434
2,738,289

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

2,601,327
2,717,612
2,723,930
2,732,434
2,738,289

2,740,972
2,746,136
2,757,433
2,780,231
2,780,235
2,783,452
2,785,625
2,808,239

Avis

2,740,972
2,746,136
2,757,433
2,780,231
2,780,235
2,783,452
2,785,625
2,808,239

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. **Transmittal Fee** (Rule 14)	**$300**
2. **International Filing Fee**	**$1708***
For each additional sheet over 30	**$19**
3. **International Search Fee**	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. **Taxe de transmission** (Règle 14)	**300 $**
2. **Taxe de dépôt internationale**	**1708 $***
Pour chaque feuille au delà de 30	**19 $**
3. **Taxe de recherche internationale**	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$257**
6. **Preliminary examination fee** (Rule 58)	**$800**

* International fees will be reduced by:

- **$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. **Taxe de traitement** (Règle 57.2*a*))	**257 $**
6. **Taxe d'examen préliminaire** (Règle 58)	**800 $**

* Les frais seront réduits de:

- **257 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
7. Procedures when CIPO is open for business but clients are unable to communicate with the Office
8. Intellectual property acts, rules and regulations

14. Procédures de correspondance

le 20 juin, 2017

1. Livraison en personne de correspondance à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 343-291-3436

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre

of patent agents; and
- ordering copies in paper, or electronic form of a document.

des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce.
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work.
- application for registration of a copyright in a performer's performance, sound recording or a

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre.
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or

ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Details concerning the electronic formats accepted

3. Précisions concernant les formats électroniques acceptés

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ».Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta**: Third Monday in February (Alberta Family Day)
2. **British Columbia**:
    - First Monday in August (British Columbia Day)
    - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
    - March 17 (St. Patrick's Day)
    - April 23 (St. George's Day)
    - June 24 (Discovery Day)
    - July 12 (Orangemen's Day)
    - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
    - Third Monday in February (Ontario Family Day)
    - First Monday in August (Civic Holiday)
7. **Prince Edward Island**: First Monday In August (Civic Holiday)
8. **Quebec**: June 24 (St. John the Baptist Day)
9. **Saskatchewan**: First Monday in August (Saskatchewan Day)
10. **Yukon**: Third Monday in August (Discovery Day)

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta** : troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique** :
    - premier lundi d'août (Fête de la Colombie-Britannique)
    - euxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
    - 17 mars (Fête de la Saint-Patrick)
    - 23 avril (Fête de la Saint-Georges)
    - 24 juin (Journée de la Découverte)
    - 12 juillet (Jour des Orangistes)
    - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
    - troisième lundi de février (Jour de la Famille de l'Ontario)
    - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : premier lundi d'août (congé civique)
8. **Québec** : 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan** : premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon** : troisième lundi d'août (Journée de la Découverte)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC, par Xpresspost^MC ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

deposit account number.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of $125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 $ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets
- Règlement d'exécution du PCT
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of May 29, 2018 contains applications open to public inspection from May 13, 2018 to May 19, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 29 mai 2018 contient les demandes disponibles au public pour consultation pour la période du 13 mai 2018 au 19 mai 2018.

16. Erratum

The information concerning the notice of removal from the register of patent agents for the following patent agent of the Canadian Patent Office Record of April 17, 2018 was incorrect. The following patent agent is in good standing:

SHANKS, ANDREW

16. Erratum

Les renseignements concernant l'avis concernant le registre des agents de brevets pour annoncer que l'agent de brevets ci-dessous était supprimé dans la Gazette du Bureau des brevets le 17 avril 2018 sont inexacts. L'agent de brevets suivant est en règle:

SHANKS, ANDREW

Canadian Patents Issued

May 29, 2018

Brevets canadiens délivrés

29 mai 2018

[11] **2,489,772**
[13] C
[51] **Int.Cl. C01G 25/00 (2006.01) B01D 53/94 (2006.01) B01J 23/10 (2006.01) B01J 21/00 (2006.01)**
[25] FR
[54] **COMPOSITION BASED ON ZIRCONIUM OXIDE AND OXIDES OF CERIUM, LANTHANUM AND OF ANOTHER RARE EARTH, A METHOD FOR PREPARING SAME AND USE THEREOF AS CATALYST**
[54] **COMPOSITION A BASE D'OXYDE DE ZIRCONIUM ET D'OXYDES DE CERIUM, DE LANTHANE ET D'UNE AUTRE TERRE RARE, SON PROCEDE DE PREPARATION ET SON UTILISATION COMME CATALYSEUR**
[72] HEDOUIN, CATHERINE, FR
[73] RHODIA OPERATIONS, FR
[85] 2004-12-16
[86] 2003-06-26 (PCT/FR2003/001972)
[87] (WO2004/002893)
[30] FR (02/07926) 2002-06-26

---

[11] **2,544,188**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING AN ONLY AT BEST ORDER TYPE IN AN ELECTRONIC TRADING SYSTEM**
[54] **SYSTEMES ET METHODES ASSURANT LE MEILLEUR TYPE DE COMMANDE DANS UN SYSTEME DE COMMERCE ELECTRONIQUE**
[72] LUTNICK, HOWARD W., US
[72] FOLEY, KEVIN M., US
[72] NOVIELLO, JOSEPH, US
[72] SWEETING, MICHAEL, GB
[73] BGC PARTNERS, INC., US
[86] (2544188)
[87] (2544188)
[22] 2006-04-18
[30] US (60/672,372) 2005-04-18

---

[11] **2,558,242**
[13] C
[51] **Int.Cl. G06F 9/06 (2006.01) G06F 9/46 (2006.01)**
[25] EN
[54] **CONTROLLING TASK EXECUTION USING A GRAPHICAL REPRESENTATION OF TASK DEPENDENCY**
[54] **EXECUTION DE TACHE DE CONTROLE A PARTIR DE LA REPRESENTATION GRAPHIQUE DE DEPENDANCE A LA TACHE**
[72] INCHINGOLO, FRANK, US
[72] STANFILL, CRAIG W., US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2006-08-31
[86] 2005-03-08 (PCT/US2005/007692)
[87] (WO2005/086842)
[30] US (10/796,612) 2004-03-08

---

[11] **2,584,663**
[13] C
[51] **Int.Cl. A61F 2/01 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **FILTER DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION DE FILTRE**
[72] TESSMER, ALEXANDER W., US
[72] SPILKA, DAVID G., US
[72] RAUCH, DAVID W., US
[72] CHANDUSZKO, ANDRZEJ JERZY, US
[72] CARR, ROBERT MICHAEL, JR., US
[73] C. R. BARD, INC., US
[85] 2007-04-19
[86] 2005-10-20 (PCT/US2005/037922)
[87] (WO2006/055174)
[30] US (10/986,714) 2004-11-12

---

[11] **2,596,482**
[13] C
[51] **Int.Cl. B60P 3/07 (2006.01) B60D 1/14 (2006.01) B62D 49/00 (2006.01) B62D 53/08 (2006.01)**
[25] EN
[54] **FRONT TOW EXTENDED SADDLE**
[54] **SABOT AVANT PROLONGE DE REMORQUAGE**
[72] SCHUETTENBERG, DONALD W., US
[73] ATC TRANSPORTATION LLC, US
[86] (2596482)
[87] (2596482)
[22] 2007-08-08
[30] US (11/463,390) 2006-08-09

---

[11] **2,598,711**
[13] C
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 47/00 (2006.01)**
[25] EN
[54] **VEGF ANTAGONIST FORMULATIONS**
[54] **FORMULATIONS D'ANTAGONISTES DU FACTEUR VEGF**
[72] DIX, DANIEL, US
[72] FRYE, KELLY, US
[72] KAUTZ, SUSAN, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2007-08-20
[86] 2006-03-22 (PCT/US2006/010600)
[87] (WO2006/104852)
[30] US (60/665,125) 2005-03-25

[11] ***2,601,327**
[13] C
[51] **Int.Cl. G06F 19/00 (2018.01) G06Q 10/06 (2012.01) G06F 3/14 (2006.01)**
[25] EN
[54] **PROCESS DATA PRESENTATION BASED ON PROCESS REGIONS**
[54] **PRESENTATION DE DONNEES DU PROCESSUS BASEE SUR LES ZONES DU PROCESSUS**
[72] BENAYON, J., CA
[72] LAU, KUI YAN, CA
[72] NG, BERNATH, CA
[72] ROSS, ALEX, CA
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[86] (2601327)
[87] (2601327)
[22] 2007-09-10
[30] US (11/532,445) 2006-09-15

---

[11] **2,629,381**
[13] C
[51] **Int.Cl. B27K 3/34 (2006.01) A01N 55/08 (2006.01)**
[25] EN
[54] **TIMBER TREATMENT WITH BORON**
[54] **TRAITEMENT DE BOIS D'OEUVRE AU BORE**
[72] STANIMIROFF, IVAN LAURENCE, NZ
[73] STANIMIROFF, IVAN LAURENCE, NZ
[85] 2008-05-09
[86] 2006-11-10 (PCT/NZ2006/000291)
[87] (WO2007/055601)
[30] NZ (543487) 2005-11-10

---

[11] **2,633,067**
[13] C
[51] **Int.Cl. F16F 3/10 (2006.01) A43B 13/18 (2006.01) A43B 13/20 (2006.01) A43B 21/26 (2006.01) F16F 1/373 (2006.01)**
[25] EN
[54] **ENERGY STORAGE AND RETURN SPRING**
[54] **RESSORT A STOCKAGE ET RETOUR D'ENERGIE**
[72] KLASSEN, JAMES B., CA
[72] BOEHM, DAVID W., CA
[73] POWERDISK DEVELOPMENT LTD., CA
[86] (2633067)
[87] (2633067)
[22] 2008-05-30
[30] US (60/970,263) 2007-09-06
[30] US (60/992,920) 2007-12-06
[30] US (61/016,555) 2007-12-24
[30] US (61/016,558) 2007-12-24
[30] US (61/024,898) 2008-01-30

---

[11] **2,641,355**
[13] C
[51] **Int.Cl. G06T 7/00 (2017.01) G06F 17/20 (2006.01)**
[25] EN
[54] **METHOD FOR EVALUATION OF THE QUALITY OF AN IMAGE, METHOD FOR GENERATION OF A DOCUMENT, COMPUTER PROGRAM PRODUCT, USER INTERFACE, DATA FILE, AND ELECTRONIC DEVICE**
[54] **METHODE D'EVALUATION DE LA QUALITE D'UNE IMAGE, METHODE DE PRODUCTION D'UN DOCUMENT, PRODUIT PROGRAMME D'ORDINATEUR, INTERFACE UTILISATEUR ET DISPOSITIF ELECTRONIQUE**
[72] DOMES, JAN, DE
[72] REMIREZ-CORONAS, LUIS, DE
[73] BUNDESDRUCKEREI GMBH, DE
[85] 2008-08-01
[86] 2007-01-22 (PCT/EP2007/050596)
[87] (WO2007/090727)
[30] DE (10 2006 005 617.5) 2006-02-06

---

[11] **2,642,608**
[13] C
[51] **Int.Cl. A61M 15/08 (2006.01)**
[25] EN
[54] **NASAL ADMINISTRATION**
[54] **ADMINISTRATION NASALE**
[72] DJUPESLAND, PER GISLE, NO
[72] HAFNER, RODERICK PETER, GB
[73] OPTINOSE AS, NO
[85] 2008-08-15
[86] 2006-01-19 (PCT/GB2006/000182)
[87] (WO2007/083073)

---

[11] **2,653,623**
[13] C
[51] **Int.Cl. H01J 49/00 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **MINIATURIZED ION MOBILITY SPECTROMETER**
[54] **SPECTROMETRE DE MOBILITE IONIQUE MINIATURISE**
[72] KAYE, WILLIAM J., US
[72] STIMAC, ROBERT M., US
[73] RAPISCAN LABORATORIES, INC., US
[85] 2008-11-26
[86] 2007-06-08 (PCT/US2007/070765)
[87] (WO2008/070204)
[30] US (60/812,463) 2006-06-09

---

[11] **2,662,179**
[13] C
[51] **Int.Cl. G06Q 50/18 (2012.01) G06F 17/20 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, SOFTWARE, AND INTERFACES FOR FORMATTING LEGAL CITATIONS**
[54] **SYSTEMES, PROCEDES, LOGICIEL ET INTERFACES POUR FORMATER DES CITATIONS LEGALES**
[72] STEENSGARD, DAVID, US
[73] THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY, CH
[85] 2009-02-27
[86] 2007-09-04 (PCT/US2007/019260)
[87] (WO2008/027583)
[30] US (60/842,058) 2006-09-01

[11] **2,664,142**
[13] C
[51] **Int.Cl. B62M 1/12 (2006.01) B62K 17/00 (2006.01)**
[25] EN
[54] **SIDE MOVEMENT PROPELLED SCOOTER DEVICE HAVING EXPANDED FOOT PLATFORM**
[54] **DISPOSITIF DE TROTTINETTE PROPULSE PAR UN MOUVEMENT LATERAL AYANT UNE PLATE-FORME EXTENSIBLE POUR LES PIEDS**
[72] CHEN, SHANE, US
[73] CHEN, SHANE, US
[85] 2009-03-20
[86] 2007-09-21 (PCT/US2007/020439)
[87] (WO2009/041933)

---

[11] **2,666,003**
[13] C
[51] **Int.Cl. E04G 1/36 (2006.01)**
[25] EN
[54] **FOUNDING LADDER SYSTEM**
[54] **DISPOSITIF A FONDERIE POUR ECHELLE**
[72] BECKER, ALLAN, CA
[72] WILSON, STEPHEN, CA
[73] ALUMA SYSTEMS INC., CA
[86] (2666003)
[87] (2666003)
[22] 2009-05-14

---

[11] **2,667,251**
[13] C
[51] **Int.Cl. C12N 9/14 (2006.01) A61K 38/17 (2006.01) A61K 38/45 (2006.01) A61K 45/00 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 9/12 (2006.01) C12N 9/99 (2006.01) C12N 15/11 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **NA+/K+-ATPASE-SPECIFIC PEPTIDE INHIBITORS/ACTIVATORS OF SRC AND SRC FAMILY KINASES**
[54] **ACTIVATEURS/INHIBITEURS PEPTIDIQUES SPECIFIQUES A LA VOIE NA+/K+-ATPASE DES KINASES SRC ET DES KINASES DE LA FAMILLE SRC**
[72] XIE, ZIJIAN, US
[72] SHAPIRO, JOSEPH I., US
[72] TIAN, JIANG, US
[73] UNIVERSITY OF TOLEDO, US
[85] 2009-04-22
[86] 2007-10-31 (PCT/US2007/023011)
[87] (WO2008/054792)
[30] US (60/855,482) 2006-10-31

---

[11] **2,670,368**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **NEUTRALIZING MONOCLONAL ANTIBODIES AGAINST THE NOGO-66 RECEPTOR (NGR) AND USES THEREOF**
[54] **NEUTRALISATION D'ANTICORPS MONOCLONAUX CONTRE LE RECEPTEUR NOGO-66 (NGR) ET LEURS UTILISATIONS**
[72] MEZLER, MARIO, DE
[72] MOELLER, ACHIM, DE
[72] MUELLER, REINHOLD, DE
[72] MUELLER, BERNHARD K., DE
[72] GHAYUR, TARIQ, US
[72] BARLOW, EVE H., US
[72] SCHMIDT, MARTIN, DE
[72] MEYER, AXEL, DE
[72] TEUSCH, NICOLE, DE
[73] ABBVIE INC., US
[73] ABBVIE DEUTSCHLAND GMBH & CO KG, DE
[85] 2009-05-21
[86] 2007-11-21 (PCT/US2007/085349)
[87] (WO2008/064292)
[30] US (60/860,256) 2006-11-21

---

[11] **2,675,772**
[13] C
[51] **Int.Cl. G02F 1/01 (2006.01) A61F 2/16 (2006.01) A61F 9/00 (2006.01) G02B 3/00 (2006.01) G02C 7/04 (2006.01) G02C 7/06 (2006.01) H02N 2/18 (2006.01)**
[25] EN
[54] **FLEXIBLE ELECTRO-ACTIVE LENS**
[54] **LENTILLE ELECTRO-ACTIVE FLEXIBLE**
[72] BLUM, RONALD D., US
[72] HADDOCK, JOSHUA N., US
[72] KOKONASKI, WILLIAM, US
[72] HUNKELER, JOHN, US
[73] E-VISION SMART OPTICS INC., US
[85] 2009-07-16
[86] 2008-01-22 (PCT/US2008/051649)
[87] (WO2008/091859)
[30] US (60/881,514) 2007-01-22

[11] **2,679,904**
[13] C
[51] **Int.Cl. H02K 1/22 (2006.01) H02K 1/16 (2006.01) H02K 1/28 (2006.01) H02K 3/12 (2006.01) B29C 45/00 (2006.01)**
[25] EN
[54] **DIRECT CURRENT DRIVE MOTOR**
[54] **MOTEUR D'ENTRAINEMENT A COURANT CONTINU**
[72] ZHANG, XU, CN
[73] ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD., CN
[86] (2679904)
[87] (2679904)
[22] 2009-09-22
[30] CN (200810220110.3) 2008-12-13

[11] **2,680,661**
[13] C
[51] **Int.Cl. C12N 7/01 (2006.01) A61K 35/765 (2015.01) A61P 35/00 (2006.01) C07K 14/14 (2006.01) C12N 15/46 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **MUTANT REOVIRUSES AND METHODS OF MAKING AND USING**
[54] **REOVIRUS MUTANTS ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] COFFEY, MATTHEW, CA
[72] THOMPSON, BRADLEY G., CA
[73] ONCOLYTICS BIOTECH INC., CA
[85] 2009-09-11
[86] 2008-05-21 (PCT/CA2008/000964)
[87] (WO2008/141448)
[30] US (60/939,255) 2007-05-21

[11] **2,688,108**
[13] C
[51] **Int.Cl. C23C 24/04 (2006.01) B05D 1/12 (2006.01)**
[25] EN
[54] **COLD GAS DYNAMIC SPRAY APPARATUS, SYSTEM AND METHOD**
[54] **APPAREIL, SYSTEME ET METHODE DE PULVERISATION DYNAMIQUE DE GAZ FROID**
[72] XUE, LIJUE, CA
[72] WANG, SHAODONG, CA
[72] JIANG, JIAREN, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[86] (2688108)
[87] (2688108)
[22] 2009-12-10
[30] US (61/193,659) 2008-12-12

[11] **2,693,712**
[13] C
[51] **Int.Cl. C07K 14/025 (2006.01) A61K 48/00 (2006.01) C12N 15/00 (2006.01) C12N 15/34 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING BRAIN DISEASES**
[54] **METHODES ET COMPOSITIONS DE TRAITEMENT DES MALADIES CEREBRALES**
[72] DAVIDSON, BEVERLY L., US
[72] CHEN, YONG HONG, US
[73] THE UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[85] 2010-01-12
[86] 2008-07-11 (PCT/US2008/069866)
[87] (WO2009/012176)
[30] US (60/959,638) 2007-07-14

[11] **2,696,513**
[13] C
[51] **Int.Cl. H01J 49/00 (2006.01) H01J 49/42 (2006.01)**
[25] EN
[54] **TANDEM ION TRAPPING ARRANGEMENT**
[54] **DISPOSITIF TANDEM DE PIEGEAGE D'IONS**
[72] GREEN, MARTIN RAYMOND, GB
[72] WILDGOOSE, JASON LEE, GB
[73] MICROMASS UK LIMITED, GB
[85] 2010-02-12
[86] 2008-09-03 (PCT/GB2008/002981)
[87] (WO2009/030900)
[30] GB (0717146.5) 2007-09-04
[30] US (60/971,933) 2007-09-13

[11] **2,699,675**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 17/00 (2006.01) A61B 18/00 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **COOLED ABLATION CATHETER DEVICES AND METHODS OF USE**
[54] **DISPOSITIFS A CATHETER D'ABLATION REFROIDI ET PROCEDES D'UTILISATION**
[72] KOBLISH, JOSEF, US
[72] OLEY, LESLIE, US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2010-03-15
[86] 2008-10-08 (PCT/US2008/079193)
[87] (WO2009/048943)
[30] US (60/978,511) 2007-10-09

[11] **2,700,164**
[13] C
[51] **Int.Cl. C07K 14/01 (2006.01) C07H 21/04 (2006.01) C12N 7/01 (2006.01)**
[25] EN
[54] **PHAGE .PHI.MRU POLYNUCLEOTIDES AND POLYPEPTIDES AND USES THEREOF**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES .PHI.-MRU DE BACTERIOPHAGES ET LEURS UTILISATIONS**
[72] ALTERMANN, ERIC HEINZ, NZ
[72] ATTWOOD, GRAEME TREVOR, NZ
[72] LEAHY, SINEAD CHRISTINE, NZ
[72] KELLY, WILLIAM JOHN, NZ
[72] RONIMUS, ROBERT STARR, NZ
[72] LI, DONG, NZ
[72] KONG, ZHANHAO, CN
[72] SCHOFIELD, LINLEY ROSE, NZ
[72] DEY, DEBJIT, NZ
[72] TOOTILL, CATHERINE MARY, NZ
[72] SANG, CARRIE, NZ
[72] MOON, CHRISTINA DIANE, NZ
[72] JANSSEN, PETRUS HENDRICUS, NZ
[73] PASTORAL GREENHOUSE GAS RESEARCH LTD, NZ
[85] 2010-03-18
[86] 2008-09-25 (PCT/NZ2008/000248)
[87] (WO2009/041831)
[30] US (60/975,104) 2007-09-25
[30] US (60/989,840) 2007-11-22
[30] US (60/989,841) 2007-11-22

[11] **2,700,507**
[13] C
[51] **Int.Cl. G01N 27/327 (2006.01)**
[25] EN
[54] **MULTI-REGION AND POTENTIAL TEST SENSORS, METHODS, AND SYSTEMS**
[54] **CAPTEURS POUR ESSAI DE POTENTIEL ET MULTIREGION, PROCEDES ET SYSTEMES**
[72] WU, HUAN PING, US
[72] ZHONG, WEIPING, US
[72] PERRY, JOSEPH E., US
[72] MAURER, ERIC, US
[72] JUNG, SUNG-KWON, US
[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[85] 2010-03-23
[86] 2008-09-24 (PCT/US2008/077434)
[87] (WO2009/042631)
[30] US (60/974,823) 2007-09-24

[11] **2,701,596**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **REWARD PROGRAM MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE GESTION DE PROGRAMMES DE RECOMPENSES**
[72] HOULIHAN, MICHAEL T., US
[72] CONTRERAS, ROBERT E., US
[72] BARNICLE, KATHRYN A., US
[73] HIGHLANDS OVERRIDE, INC., US
[86] (2701596)
[87] (2701596)
[22] 2010-04-22
[30] US (61/171,726) 2009-04-22

[11] **2,703,424**
[13] C
[51] **Int.Cl. E04F 15/00 (2006.01) B32B 7/12 (2006.01) E04F 21/00 (2006.01) E04G 21/00 (2006.01) C09J 133/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR MARRYING FLOORING MATERIAL WITH A DOUBLE-SIDED ADHESIVE ROLL**
[54] **APPAREIL DESTINE A MARIER UN MATERIAU DE SOL AVEC UN ROULEAU ADHESIF A DOUBLE FACE**
[72] SCHLISNER, DENNIS G., US
[73] BASE KING, LLC, US
[86] (2703424)
[87] (2703424)
[22] 2010-05-07
[30] US (12/774,955) 2010-05-06

[11] **2,703,955**
[13] C
[51] **Int.Cl. G06G 7/32 (2006.01)**
[25] EN
[54] **FAST ITERATIVE METHOD FOR PROCESSING HAMILTON-JACOBI EQUATIONS**
[54] **PROCEDE ITERATIF RAPIDE POUR TRAITER DES EQUATIONS D'HAMILTON-JACOBI**
[72] JEONG, WON-KI, US
[72] WHITAKER, ROSS, US
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2010-04-27
[86] 2008-10-30 (PCT/US2008/081855)
[87] (WO2009/059045)
[30] US (61/001,221) 2007-10-30

[11] **2,710,984**
[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61K 49/16 (2006.01) A61K 51/00 (2006.01) A61K 51/10 (2006.01) C07K 14/775 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **TREATMENT AND PROPHYLAXIS OF AMYLOIDOSIS**
[54] **TRAITEMENT ET PROPHYLAXIE DE L'AMYLOSE**
[72] SCHENK, DALE B., US
[72] SEUBERT, PETER A., US
[72] WALL, JONATHAN, US
[72] SALDANHA, JOSE W., GB
[73] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[73] PROTHENA BIOSCIENCES LIMITED, IE
[85] 2010-06-28
[86] 2008-12-29 (PCT/US2008/088493)
[87] (WO2009/086539)
[30] US (61/007,544) 2007-12-28
[30] US (61/095,932) 2008-09-10

[11] **2,714,856**
[13] C
[51] **Int.Cl. B21J 13/00 (2006.01) B21J 1/00 (2006.01)**
[25] EN
[54] **POINT FORMING PROCESSES**
[54] **PROCEDES DE FACONNAGE PAR POINTS**
[72] KRINTZLINE, DONALD E., US
[72] HAY, THOMAS E., US
[73] NATIONAL MACHINERY LLC, US
[86] (2714856)
[87] (2714856)
[22] 2010-09-16
[30] US (12/561,767) 2009-09-17

[11] **2,716,375**
[13] C
[51] **Int.Cl. C07H 21/04 (2006.01) C07H 21/00 (2006.01) C12Q 1/02 (2006.01) C12N 15/12 (2006.01) C40B 40/06 (2006.01)**
[25] EN
[54] **GENETIC ALTERATIONS ASSOCIATED WITH AUTISM AND THE AUTISTIC PHENOTYPE AND METHODS OF USE THEREOF FOR THE DIAGNOSIS AND TREATMEMT OF AUTISM**
[54] **MODIFICATIONS GENETIQUES ASSOCIEES A L'AUTISME ET AU PHENOTYPE AUTISTIQUE ET PROCEDES D'UTILISATION DE CELLES-CI POUR LE DIAGNOSTIC ET LE TRAITEMENT DE L'AUTISME**
[72] HAKONARSON, HAKON, US
[72] GLESSNER, JOSEPH, US
[72] BRADFIELD, JONATHAN, US
[72] GRANT, STRUAN, US
[72] ZHANG, HAITAO, US
[72] WANG, KAI, US
[73] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2010-08-20
[86] 2009-02-20 (PCT/US2009/034784)
[87] (WO2009/105718)
[30] US (61/030,136) 2008-02-20
[30] US (61/107,163) 2008-10-21

---

[11] **2,716,404**
[13] C
[51] **Int.Cl. F24F 11/30 (2018.01) F24F 11/88 (2018.01) H02J 13/00 (2006.01)**
[25] EN
[54] **HVAC EQUIPMENT PHASE AND VOLTAGE MONITOR AND CONTROL**
[54] **SURVEILLANCE ET CONTROLE DE LA PHASE ET DE LA TENSION D'UN EQUIPEMENT DE CVCA**
[72] BONILLA, ABSALON, US
[72] MAUK, RICHARD A., US
[72] CHAMORRO, CARLOS O., US
[72] STACHLER, JOHN P., US
[73] LENNOX INDUSTRIES INC., US
[86] (2716404)
[87] (2716404)
[22] 2010-10-04
[30] US (12/694,421) 2010-01-27

---

[11] ***2,717,612**
[13] C
[51] **Int.Cl. G06K 9/36 (2006.01)**
[25] EN
[54] **FINGERPRINT REPRESENTATION USING GRADIENT HISTOGRAMS**
[54] **REPRESENTATION D'EMPREINTES DIGITALES A L'AIDE D'HISTOGRAMMES DE GRADIENTS**
[72] AGGARWAL, GAURAV, US
[72] BOLLE, RUDOLF MAARTEN, US
[72] JEA, TSAI-YANG, US
[72] RATHA, NALINI KANTA, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2010-09-03
[86] 2009-04-13 (PCT/US2009/040347)
[87] (WO2009/139999)
[30] US (12/120,936) 2008-05-15

---

[11] ***2,723,930**
[13] C
[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **WORK QUEUE SELECTION ON A LOCAL PROCESSOR WITHIN A MULTIPLE PROCESSOR ARCHITECTURE**
[54] **SELECTION DE FILE D'ATTENTE SUR UN PROCESSEUR LOCAL DANS UNE ARCHITECTURE MULTIPROCESSEUR**
[72] GAMBINO, MARK RICHARD, US
[72] BLACKBURN, ROBERT A., US
[72] DRYFOOS, ROBERT OCHS, US
[72] SHERSIN, MICHAEL J., US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[86] (2723930)
[87] (2723930)
[22] 2010-09-29
[30] US (12/569554) 2009-09-29

---

[11] **2,724,370**
[13] C
[51] **Int.Cl. H01Q 11/08 (2006.01) H01Q 3/32 (2006.01)**
[25] EN
[54] **RECONFIGURABLE AXIAL-MODE HELICAL ANTENNA**
[54] **ANTENNE HELICE RECONFIGURABLE EN MODE AXIAL**
[72] JALALI MAZLOUMAN, SHAHRZAD, CA
[72] MAHANFAR, ALIREZA, CA
[72] MENON, CARLO, CA
[72] VAUGHAN, RODNEY G., CA
[73] SIMON FRASER UNIVERSITY, CA
[86] (2724370)
[87] (2724370)
[22] 2010-12-08
[30] US (61/267,792) 2009-12-08

---

[11] **2,728,794**
[13] C
[51] **Int.Cl. E21B 10/64 (2006.01) F16L 1/028 (2006.01) F16L 1/06 (2006.01)**
[25] EN
[54] **COLLAPSIBLE ROCK HEAD AND ASSOCIATED STRUCTURE**
[54] **TREPAN A EFFACEMENT ET STRUCTURE CONNEXE**
[72] BARBERA, JAMES S., US
[73] BARBERA, JAMES S., US
[86] (2728794)
[87] (2728794)
[22] 2011-01-19
[30] US (61/308,472) 2010-02-26
[30] US (12/830,481) 2010-07-06

---

[11] **2,729,644**
[13] C
[51] **Int.Cl. C30B 30/06 (2006.01) A01N 25/12 (2006.01) A61K 9/14 (2006.01) F26B 3/12 (2006.01) F26B 5/06 (2006.01)**
[25] EN
[54] **PROCESS FOR IMPROVING CRYSTALLINITY**
[54] **PROCEDE D'AMELIORATION DE LA CRISTALLINITE**
[72] RUECROFT, GRAHAM, GB
[72] PARIKH, DIPESH, GB
[72] HIPKISS, DAVID, GB
[73] CIRCASSIA LIMITED, GB
[85] 2010-12-24
[86] 2009-07-20 (PCT/GB2009/050885)
[87] (WO2010/007447)
[30] GB (0813114.6) 2008-07-18
[30] GB (0906144.1) 2009-04-09
[30] GB (0909486.3) 2009-06-03

[11] **2,729,924**
[13] C
[51] **Int.Cl. C12N 9/42 (2006.01)**
[25] EN
[54] **ISOLATION AND CHARACTERIZATION OF SCHIZOCHYTRIUM AGGREGATUM CELLOBIOHYDROLASE I (CBH 1)**
[54] **ISOLEMENT ET CARACTERISATION DE CELLOBIOHYDROLASE I (CBH 1) DE SCHIZOCHYTRIUM AGGREGATUM**
[72] BREVNOVA, ELENA E., US
[72] FLATT, JIM, US
[72] GANDHI, CHHAYAL, US
[72] RAJGARHIA, VINEET, US
[72] MCBRIDE, JOHN, US
[72] WARNER, ANNE, US
[73] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[85] 2011-01-05
[86] 2009-07-07 (PCT/US2009/003972)
[87] (WO2010/005553)
[30] US (61/129,585) 2008-07-07

---

[11] **2,731,336**
[13] C
[51] **Int.Cl. B01J 2/20 (2006.01) A01K 1/015 (2006.01) B29B 9/00 (2006.01)**
[25] EN
[54] **GRANULAR EXCRETA TREATING MATERIAL, PRODUCTION METHOD THEREOF, AND EXTRUSION TYPE COMPRESSIVE GRANULATING APPARATUS THEREOF**
[54] **SUBSTANCE GRANULAIRE POUR LE TRAITEMENT D'EXCREMENTS, METHODE DE PRODUCTION DE CETTE SUBSTANCE ET APPAREIL DE GRANULATION PAR EXTRUSION-COMPRESSION CONNEXE**
[72] MOCHIZUKI, SHOTARO, JP
[73] PEPARLET CO., LTD., JP
[86] (2731336)
[87] (2731336)
[22] 2011-02-09
[30] JP (2010-39431) 2010-02-24

---

[11] ***2,732,434**
[13] C
[51] **Int.Cl. H04L 12/829 (2013.01) H04L 12/859 (2013.01)**
[25] EN
[54] **CONTROLLING DATA FLOW THROUGH A DATA COMMUNICATIONS LINK**
[54] **COMMANDE DE FLUX DE DONNEES DANS UNE LIAISON DE COMMUNICATION DE DONNEES**
[72] BAUMAN, ELLEN, US
[72] SCHIMKE, TIMOTHY, US
[72] SENDELBACH, LEE, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2011-01-28
[86] 2009-07-28 (PCT/EP2009/059742)
[87] (WO2010/012730)
[30] US (12/184,541) 2008-08-01

---

[11] **2,734,366**
[13] C
[51] **Int.Cl. G08G 1/0967 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **TRAFFIC INFORMATION CLIENT DEVICE**
[54] **DISPOSITIF CLIENT POUR LA FOURNITURE D'INFORMATIONS RELATIVES AU TRAFIC**
[72] POSNER, STEFAN, DE
[72] SCHUSTER, RICO, DE
[73] HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH, DE
[86] (2734366)
[87] (2734366)
[22] 2011-03-18
[30] EP (10164219.7) 2010-05-28

---

[11] **2,734,844**
[13] C
[51] **Int.Cl. B24B 49/00 (2012.01)**
[25] EN
[54] **SANDING AND GRINDING TOOL HAVING DEPTH GUIDE**
[54] **OUTIL DE PONCAGE ET DE MEULAGE MUNI D'UN GUIDE DE PROFONDEUR**
[72] OUELLETTE, JAMES-ROY, CA
[73] OUELLETTE, JAMES-ROY, CA
[86] (2734844)
[87] (2734844)
[22] 2011-03-23
[30] US (61/282,731) 2010-03-24

---

[11] **2,737,690**
[13] C
[51] **Int.Cl. D04H 3/10 (2012.01) A47K 7/03 (2006.01) B32B 5/06 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **FOAMING POROUS PAD FOR USE WITH A MOTORIZED DEVICE**
[54] **COUSSINET POREUX MOUSSANT POUR UTILISATION AVEC UN DISPOSITIF MOTORISE**
[72] BATCHVAROVA, NIKOLETA, US
[72] GUBERNICK, DAVID, US
[72] MURPHY, MARK, US
[73] JOHNSON & JOHNSON CONSUMER COMPANIES, INC., US
[86] (2737690)
[87] (2737690)
[22] 2011-04-20
[30] US (12/764,479) 2010-04-21

---

[11] **2,737,715**
[13] C
[51] **Int.Cl. F16B 7/00 (2006.01) E04G 7/02 (2006.01) F16B 1/00 (2006.01) F16S 3/04 (2006.01)**
[25] EN
[54] **HYBRID SCAFFOLD SYSTEM**
[54] **SYSTEME D'ECHAFAUDAGE HYBRIDE**
[72] THACKER, STEVE HOWARD, US
[73] NEXT GENERATION SCAFFOLD SERVICES, INC., US
[86] (2737715)
[87] (2737715)
[22] 2011-04-21
[30] US (61/343,087) 2010-04-23
[30] US (13/065,562) 2011-03-24

---

[11] ***2,738,289**
[13] C
[51] **Int.Cl. H04L 12/26 (2006.01)**
[25] EN
[54] **IDENTIFYING SESSION IDENTIFICATION INFORMATION**
[54] **IDENTIFICATION DE L'INFORMATION D'IDENTIFICATION DE SESSION**
[72] ONUT, IOSIF VIOREL, CA
[72] IONESCU, PAUL, CA
[72] SEGAL, ORY, IL
[72] SMITH, WAYNE DUNCAN, CA
[72] JOURDAN, GUY-VINCENT, CA
[72] BOCHMANN, GREGOR VON, CA
[73] IBM CANADA LIMITED - IBM CANADA LIMITEE, CA
[86] (2738289)
[87] (2738289)
[22] 2011-04-28

[11] **2,738,347**
[13] C
[51] **Int.Cl. A45D 34/00 (2006.01) A61M 35/00 (2006.01)**
[25] EN
[54] **HANDHELD, PERSONAL SKIN CARE SYSTEMS WITH DETACHABLE SKIN CARE ELEMENTS**
[54] **SYSTEMES DE SOINS DE LA PEAU PERSONNELS ET PORTATIFS DOTES D'ELEMENTS DE SOINS DE LA PEAU DETACHABLES**
[72] HULL, RAYMOND J., JR., US
[73] JOHNSON & JOHNSON CONSUMER COMPANIES, INC., US
[86] (2738347)
[87] (2738347)
[22] 2011-04-29
[30] US (12/770,994) 2010-04-30

---

[11] **2,738,435**
[13] C
[51] **Int.Cl. F16D 11/14 (2006.01) B60B 35/14 (2006.01) B60K 17/22 (2006.01) F16H 29/12 (2006.01)**
[25] EN
[54] **QUICK DISCONNECT FOR A DRIVE UNIT**
[54] **CONNECTEUR A BRANCHEMENT/DEBRANCHEMENT RAPIDE POUR LECTEUR DE DISQUE**
[72] FORREST, JAMES L., US
[73] AUBURN GEAR, LLC, US
[86] (2738435)
[87] (2738435)
[22] 2011-04-29
[30] US (61/370,474) 2010-08-04

---

[11] **2,739,050**
[13] C
[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) A61P 1/00 (2006.01) A61P 11/06 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **ANTIBODIES AGAINST IL-25**
[54] **ANTICORPS CONTRE IL-25**
[72] MATTHEWS, DAVID JOHN, GB
[72] BARLOW, JILLIAN, GB
[72] MCKENZIE, ANDREW NEIL JAMES, GB
[73] MEDICAL RESEARCH COUNCIL, GB
[85] 2011-03-30
[86] 2009-09-30 (PCT/IB2009/007302)
[87] (WO2010/038155)
[30] GB (0817891.5) 2008-09-30
[30] US (61/101,293) 2008-09-30

---

[11] **2,740,635**
[13] C
[51] **Int.Cl. C23F 11/08 (2006.01) C02F 5/10 (2006.01) C02F 5/14 (2006.01) C23F 11/12 (2006.01) C23F 11/167 (2006.01) C23F 11/173 (2006.01) C23F 14/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING CORROSION IN AQUEOUS MEDIA**
[54] **COMPOSITIONS ET PROCEDES POUR INHIBER LA CORROSION DANS DES MILIEUX AQUEUX**
[72] CROVETTO, ROSA, US
[72] PIERCE, CLAUDIA C., US
[72] DECK, PHILIP D., US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2011-04-14
[86] 2009-09-28 (PCT/US2009/058584)
[87] (WO2010/062461)
[30] US (12/262,833) 2008-10-31

---

[11] ***2,740,972**
[13] C
[51] **Int.Cl. F24S 70/60 (2018.01) F24S 10/50 (2018.01) F24S 20/61 (2018.01) F24S 20/66 (2018.01) E04B 1/78 (2006.01)**
[25] EN
[54] **BUILDING-INTEGRATED SOLAR THERMAL MICRO-CHANNEL ABSORBER AND METHOD OF MANUFACTURING THEREOF**
[54] **ABSORBEUR THERMIQUE SOLAIRE A MICROCANAUX, INTEGRE A UN BATIMENT, ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] SWIFT, JOHN, CA
[72] HENDRICKS, ANNE SWIFT, US
[73] SWIFT, JOHN, CA
[85] 2011-04-15
[86] 2008-10-15 (PCT/US2008/080005)
[87] (WO2010/044789)

---

[11] **2,742,119**
[13] C
[51] **Int.Cl. C08G 64/02 (2006.01) C08G 64/18 (2006.01) C09K 8/588 (2006.01)**
[25] EN
[54] **POLYCARBONATE BLOCK COPOLYMERS**
[54] **COPOLYMERES A BLOC DE POLYCARBONATE**
[72] ALLEN, SCOTT D., US
[72] SIMONEAU, CHRIS A., US
[72] SALLADAY, JOHN M., US
[72] HATFIELD, DAVID M., US
[72] STEVENS, JOHN W., US
[73] SAUDI ARAMCO TECHNOLOGIES COMPANY, SA
[85] 2011-04-28
[86] 2009-10-30 (PCT/US2009/062871)
[87] (WO2010/062703)
[30] US (61/110,567) 2008-11-01

[11] **2,742,272**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6823 (2018.01) C12Q 1/6844 (2018.01)**
[25] EN
[54] **PRODUCTS AND PROCESSES FOR MULTIPLEX NUCLEIC ACID IDENTIFICATION**
[54] **PRODUITS ET PROCEDES POUR L'IDENTIFICATION D'ACIDE NUCLEIQUE MULTIPLEXEE**
[72] HONISCH, CHRISTIANE, US
[72] TIMMS, ANDREW, US
[72] CHITNIS, SMITA, US
[72] VAN DEN BOOM, DIRK JOHANNES, US
[73] AGENA BIOSCIENCE, INC., US
[85] 2011-04-29
[86] 2009-10-27 (PCT/US2009/062239)
[87] (WO2010/056513)
[30] US (61/109,885) 2008-10-30

---

[11] **2,742,380**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) G06F 19/22 (2011.01) C12Q 1/6809 (2018.01) C12Q 1/6844 (2018.01) C40B 30/02 (2006.01)**
[25] EN
[54] **METHODS OF MONITORING CONDITIONS BY SEQUENCE ANALYSIS**
[54] **PROCEDES DE SURVEILLANCE DE MALADIES PAR ANALYSE DE SEQUENCE**
[72] FAHAM, MALEK, US
[72] WILLIS, THOMAS, US
[73] ADAPTIVE BIOTECHNOLOGIES CORP., US
[85] 2011-05-02
[86] 2009-11-09 (PCT/US2009/006053)
[87] (WO2010/053587)
[30] US (61/112,693) 2008-11-07

---

[11] **2,742,737**
[13] C
[51] **Int.Cl. C12Q 1/37 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **USE OF EEF1A AS BIOMARKER AND A METHOD OF SCREENING METAP2 INHIBITORS**
[54] **UTILISATION D'EEF1A COMME BIOMARQUEUR ET PROCEDE DE CRIBLAGE D'INHIBITEURS DE METAP2**
[72] KELLNER, ROLAND, DE
[72] ZENKE, FRANK, DE
[72] BOMKE, JOERG, DE
[73] MERCK PATENT GMBH, DE
[85] 2011-05-04
[86] 2009-10-05 (PCT/EP2009/007102)
[87] (WO2010/051882)
[30] EP (08019432.7) 2008-11-06

---

[11] **2,744,786**
[13] C
[51] **Int.Cl. F16K 49/00 (2006.01) F16K 27/00 (2006.01)**
[25] EN
[54] **A WATER DISCHARGE DEVICE**
[54] **DISPOSITIF DE SOTIE D'EAU**
[72] YEWDALL, GARY, AU
[72] PICKERING, GRAHAM, AU
[73] YEWDALL, GARY, AU
[73] PICKERING, GRAHAM, AU
[85] 2011-05-26
[86] 2009-11-26 (PCT/AU2009/001542)
[87] (WO2010/060142)
[30] AU (2008906123) 2008-11-26

---

[11] **2,746,105**
[13] C
[51] **Int.Cl. F16L 37/32 (2006.01) B60D 1/64 (2006.01) F16L 37/086 (2006.01) F16L 37/23 (2006.01)**
[25] EN
[54] **COMPACT CARTRIDGE COUPLING**
[54] **ACCOUPLEMENT DE CARTOUCHE COMPACT**
[72] RUSCONI, PAOLO, IT
[73] FASTER S.P.A., IT
[73] FASTER S.P.A., IT
[86] (2746105)
[87] (2746105)
[22] 2011-07-12
[30] EP (10425240.8) 2010-07-16

---

[11] ***2,746,136**
[13] C
[51] **Int.Cl. G06F 8/41 (2018.01)**
[25] EN
[54] **MANAGING ALIASING CONSTRAINTS**
[54] **GESTION DES CONTRAINTES DE DENOMINATION**
[72] CUI, SHIMIN, CA
[72] SILVERA, RAUL E., CA
[73] IBM CANADA LIMITED - IBM CANADA LIMITEE, CA
[86] (2746136)
[87] (2746136)
[22] 2011-07-12

---

[11] **2,746,580**
[13] C
[51] **Int.Cl. B64C 19/00 (2006.01) B64D 45/00 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR RESETTING A TARGET ALTITUDE FOR AN EMERGENCY DECENT OF AN AIRCRAFT**
[54] **PROCEDE ET DISPOSITIF DE RECALAGE D'UNE ALTITUDE CIBLE POUR UNE DESCENTE D'URGENCE D'UN AERONEF**
[72] BOTARGUES, PAULE, FR
[72] GRANDPERRET, ERWIN, FR
[72] BUREL, LUCAS, FR
[72] BOURRET, THIERRY, FR
[73] AIRBUS OPERATIONS (SAS), FR
[86] (2746580)
[87] (2746580)
[22] 2011-07-12
[30] FR (1055894) 2010-07-20

[11] **2,747,475**
[13] C
[51] **Int.Cl. B41F 33/00 (2006.01) B41F 19/02 (2006.01) B41M 1/24 (2006.01) B65H 23/00 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING THE RELATIVE POSITION BETWEEN PRINTED PATTERNS AND NON-PRINTED PATTERNS ON A WEB-SHAPED MATERIAL AND A SYSTEM USED IN THE METHOD**
[54] **PROCEDE DE COMMANDE DE POSITION RELATIVE ENTRE DES MOTIFS IMPRIMES ET DES MOTIFS NON IMPRIMES SUR UN MATERIAU EN BANDE ET SYSTEME UTILISE SELON LEDIT PROCEDE**
[72] PALM, LARS, SE
[72] LINDGREN, FREDRIK, SE
[72] HAMACHER, KLAUS, DE
[72] CLERMONT, MARKUS, DE
[73] TETRA LAVAL HOLDINGS & FINANCE SA, CH
[85] 2011-06-15
[86] 2009-12-17 (PCT/SE2009/000521)
[87] (WO2010/071543)
[30] SE (0802602-3) 2008-12-18

---

[11] **2,747,606**
[13] C
[51] **Int.Cl. A61M 1/14 (2006.01) B01J 20/04 (2006.01)**
[25] EN
[54] **DIALYSIS SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE DIALYSE**
[72] UPDYKE, PALMER DAVID, US
[72] SANDFORD, HAROLD FREDERICK, US
[72] LIPPS, BENJAMIN JOSEPH, US
[72] ZATEZALO, DOUGLAS MARK, US
[72] BEIRIGER, MICHAEL JAMES, US
[72] MULLNER, JAMES MATTHEW, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[86] (2747606)
[87] (2747606)
[22] 2011-07-27
[30] US (12/844,968) 2010-07-28

---

[11] **2,749,608**
[13] C
[51] **Int.Cl. A47L 15/50 (2006.01)**
[25] EN
[54] **ADJUSTABLE RACK ASSEMBLY FOR A DISHWASHER BASKET**
[54] **ENSEMBLE COMPARTIMENT REGLABLE POUR UN PANIER DE LAVE-VAISSELLE**
[72] KOHLES, DIETER, DE
[72] DUERR, GERHARD, DE
[72] FORST, KLAUS-MARTIN, DE
[73] ELECTROLUX HOME PRODUCTS CORPORATION N.V., BE
[85] 2011-07-13
[86] 2010-02-10 (PCT/EP2010/000804)
[87] (WO2010/094420)
[30] EP (09001808.6) 2009-02-10

---

[11] **2,749,799**
[13] C
[51] **Int.Cl. G01R 31/28 (2006.01) G01R 31/303 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF IMPLEMENTING REMOTE BOUNDARY SCAN FEATURES**
[54] **SYSTEMES ET PROCEDES POUR METTRE EN OEUVRE A DISTANCE DES ELEMENTS DE REGISTRE A DECALAGE PERIPHERIQUE**
[72] LA FEVER, GEORGE B., US
[72] YELLIN, CARMY, US
[72] FLAUM, ISER B., US
[72] MUSE, DAVID R., US
[73] ELECTRONIC WARFARE ASSOCIATES, INC., US
[85] 2011-07-14
[86] 2009-12-18 (PCT/US2009/068666)
[87] (WO2010/083004)
[30] US (61/144,980) 2009-01-15
[30] US (61/170,339) 2009-04-17

---

[11] **2,750,054**
[13] C
[51] **Int.Cl. C40B 40/06 (2006.01) C07H 21/00 (2006.01) C12P 19/34 (2006.01) C40B 50/06 (2006.01) C40B 70/00 (2006.01)**
[25] EN
[54] **TRANSPOSON END COMPOSITIONS AND METHODS FOR MODIFYING NUCLEIC ACIDS**
[54] **COMPOSITIONS TERMINALES DE TRANSPOSON ET PROCEDE DE MODIFICATION D'ACIDES NUCLEIQUES**
[72] JENDRISAK, JEROME, US
[72] DAHL, GARY, US
[72] GRUNENWALD, HAIYING LI, US
[72] CARUCCIO, NICHOLAS, US
[73] EPICENTRE TECHNOLOGIES CORPORATION, US
[85] 2011-07-18
[86] 2009-10-24 (PCT/US2009/061983)
[87] (WO2010/048605)
[30] US (61/108,321) 2008-10-24
[30] US (61/108,326) 2008-10-24
[30] US (61/108,329) 2008-10-24
[30] US (61/152,868) 2009-02-16
[30] US (61/155,431) 2009-02-25
[30] US (61/184,530) 2009-06-05

---

[11] **2,750,240**
[13] C
[51] **Int.Cl. C10M 141/10 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **HYDRAULIC COMPOSITION WITH IMPROVED WEAR PROPERTIES**
[54] **COMPOSITION HYDRAULIQUE PRESENTANT DES PROPRIETES AMELIOREES A L'USURE**
[72] FILIPPINI, BRIAN B., US
[73] THE LUBRIZOL CORPORATION, US
[85] 2011-07-20
[86] 2010-01-18 (PCT/US2010/021297)
[87] (WO2010/085434)
[30] US (61/145,790) 2009-01-20

[11] **2,753,431**
[13] C
[51] **Int.Cl. A61B 18/16 (2006.01)**
[25] EN
[54] **SELF-LIMITING ELECTROSURGICAL RETURN ELECTRODE WITH PRESSURE SORE REDUCTION AND HEATING CAPABILITIES**
[54] **ELECTRODE DE RETOUR ELECTROCHIRURGICALE AUTO-LIMITANTE AVEC CAPACITE DE REDUCTION D'ESCARRE DE DECUBITUS ET CHAUFFAGE**
[72] ARAMAYO, THOMAS F., US
[73] MEGADYNE MEDICAL PRODUCTS, INC., US
[85] 2011-08-23
[86] 2010-02-18 (PCT/US2010/024615)
[87] (WO2010/099026)
[30] US (61/155,687) 2009-02-26
[30] US (12/703,475) 2010-02-10

---

[11] **2,753,948**
[13] C
[51] **Int.Cl. F24D 19/02 (2006.01) E04B 1/62 (2006.01) F16M 5/00 (2006.01) F24D 15/02 (2006.01) F24F 13/32 (2006.01) F24H 9/06 (2006.01)**
[25] EN
[54] **HEATER MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE D'UN DISPOSITIF DE CHAUFFAGE**
[72] PERSSON, ROBERT E., US
[73] MODINE MANUFACTURING COMPANY, US
[86] (2753948)
[87] (2753948)
[22] 2011-09-29
[30] US (61/476,636) 2011-04-18

---

[11] **2,754,132**
[13] C
[51] **Int.Cl. B01J 13/00 (2006.01) B22F 9/18 (2006.01) B22F 9/24 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING STABLE SUSPENSIONS OF METAL NANOPARTICLES AND THE STABLE COLLOIDAL SUSPENSIONS OBTAINED THEREBY**
[54] **PROCEDE DE PREPARATION DE SUSPENSIONS STABLES DE NANOPARTICULES DE METAL ET SUSPENSIONS COLLOIDALES STABLES OBTENUES PAR CE BIAIS**
[72] BLOSI, MAGDA, IT
[72] ALBONETTI, STEFANIA, IT
[72] DONDI, MICHELE, IT
[72] BALDI, GIOVANNI, IT
[72] BARZANTI, ANDREA, IT
[72] BITOSSI, MARCO, IT
[73] COLOROBBIA ITALIA S.P.A., IT
[85] 2011-08-30
[86] 2010-03-01 (PCT/EP2010/052534)
[87] (WO2010/100107)
[30] IT (FI2009A000034) 2009-03-02

---

[11] **2,754,355**
[13] C
[51] **Int.Cl. C10G 1/04 (2006.01) B03B 9/02 (2006.01)**
[25] EN
[54] **OIL EXTRACTION PROCESS**
[54] **PROCEDE D'EXTRACTION DE PETROLE**
[72] PODLIPSKIY, VLADIMIR Y., US
[73] MCW ENERGY GROUP, CA
[86] (2754355)
[87] (2754355)
[22] 2011-09-30

---

[11] **2,754,363**
[13] C
[51] **Int.Cl. H01J 49/04 (2006.01) H01J 49/16 (2006.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR FORMATION AND WITHDRAWAL OF A SAMPLE FROM A SURFACE TO BE ANALYZED**
[54] **PROCEDE ET SYSTEME DE FORMATION ET DE RETRAIT D'UN ECHANTILLON D'UNE SURFACE A ANALYSER**
[72] VAN BERKEL, GARY J., US
[72] KERTESZ, VILMOS, US
[73] UT-BATTELLE, LLC, US
[85] 2011-09-02
[86] 2010-03-04 (PCT/US2010/000683)
[87] (WO2010/101656)
[30] US (12/380,980) 2009-03-05

---

[11] **2,755,184**
[13] C
[51] **Int.Cl. G01R 31/02 (2006.01) G01R 31/04 (2006.01) H02J 13/00 (2006.01) G01R 1/04 (2006.01) H02G 5/00 (2006.01)**
[25] EN
[54] **ACOUSTIC SENSOR SYSTEM FOR DETECTING ELECTRICAL CONDUCTIVITY FAULTS IN AN ELECTRICAL DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DETECTION ACOUSTIQUE SERVANT A DECELER LES FAILLES DE CONDUCTIBILITE ELECTRIQUE D'UN RESEAU DE DISTRIBUTION D'ELECTRICITE**
[72] ZHOU, XIN, US
[72] YANNIELLO, ROBERT, US
[72] GASS, DALE L., US
[72] PAHL, BIRGER, US
[72] SCHOEPF, THOMAS J., US
[73] EATON CORPORATION, US
[86] (2755184)
[87] (2755184)
[22] 2011-10-18
[30] US (12/906,244) 2010-10-18

[11] **2,755,839**
[13] C
[51] **Int.Cl. G07C 3/00 (2006.01) G06Q 10/06 (2012.01) B08B 3/08 (2006.01) B08B 13/00 (2006.01)**
[25] EN
[54] **MANAGEMENT OF CLEANING PROCESSES VIA MONITORING OF CHEMICAL PRODUCT USAGE**
[54] **GESTION DE PROCEDES DE NETTOYAGE PAR L'INTERMEDIAIRE D'UNE SURVEILLANCE DE L'USAGE DE PRODUITS CHIMIQUES**
[72] MOREY, JOHN D., US
[72] ANDERSON, BRYAN M., US
[72] BALZ, ERIC R., US
[72] SNELLEN, TIMOTHY R., US
[73] ECOLAB USA INC., US
[85] 2011-09-16
[86] 2010-04-23 (PCT/IB2010/051806)
[87] (WO2010/122534)
[30] US (61/172,508) 2009-04-24

---

[11] **2,757,405**
[13] C
[51] **Int.Cl. G07C 9/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ACCESS CONTROL**
[54] **METHODE ET SYSTEME DE CONTROLE D'ACCES**
[72] MIZON, JOHN, CH
[73] INVENTIO AG, CH
[85] 2011-09-30
[86] 2010-04-01 (PCT/EP2010/054421)
[87] (WO2010/112586)
[30] EP (09157266.9) 2009-04-03

---

[11] ***2,757,433**
[13] C
[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **MULTI-HOST CONCURRENT WRITING TO MAGNETIC TAPE**
[54] **ECRITURE SIMULTANEE MULTI-HOTE SUR BANDE MAGNETIQUE**
[72] BRUME, SHAWN OWEN, US
[72] JANGABA, FAHNMUSA CHRISTIAN, US
[72] KNIBLOE, CHRISTINE RENEE, US
[72] SWANSON, DAVID LEE, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2011-09-30
[86] 2010-03-11 (PCT/EP2010/053061)
[87] (WO2010/133385)
[30] US (12/469,622) 2009-05-20

---

[11] **2,757,457**
[13] C
[51] **Int.Cl. A61L 27/36 (2006.01) C12N 5/071 (2010.01) A61K 35/407 (2015.01) A61K 35/55 (2015.01) A61L 27/38 (2006.01) C12M 3/08 (2006.01)**
[25] EN
[54] **DECELLULARIZATION AND RECELLULARIZATION OF ORGANS AND TISSUES**
[54] **DECELLULARISATION ET RECELLULARISATION D'ORGANES ET DE TISSUS**
[72] TAYLOR, DORIS, US
[72] OTT, HARALD, US
[73] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2011-09-30
[86] 2010-03-31 (PCT/US2010/029463)
[87] (WO2010/120539)
[30] US (61/211,613) 2009-03-31

---

[11] **2,758,818**
[13] C
[51] **Int.Cl. C07D 301/10 (2006.01)**
[25] EN
[54] **SIMPLIFIED METHOD FOR PRODUCING ALKYLENE OXIDES WITH A HIGH EFFICIENCY CATALYST AS IT AGES**
[54] **PROCEDE SIMPLIFIE DE PRODUCTION D'OXYDES D'ALKYLENE AVEC UN CATALYSEUR HAUTE EFFICACITE AU FUR ET A MESURE DE SON VIEILLISSEMENT**
[72] ZHANG, LIPING, US
[72] SOO, HWAILI, US
[72] HENSTOCK, WILLIAM, US
[73] DOW TECHNOLOGY INVESTMENTS LLC, US
[85] 2011-10-13
[86] 2010-04-20 (PCT/US2010/031668)
[87] (WO2010/123842)
[30] US (61/171,248) 2009-04-21

---

[11] **2,758,868**
[13] C
[51] **Int.Cl. H04R 3/00 (2006.01) H04W 84/00 (2009.01) H04B 3/00 (2006.01) H04B 3/54 (2006.01) H04J 99/00 (2009.01) A63J 5/04 (2006.01) H03M 1/12 (2006.01) H04R 1/08 (2006.01)**
[25] EN
[54] **DIGITAL AUDIO COMMUNICATION AND CONTROL IN A LIVE PERFORMANCE VENUE**
[54] **COMMUNICATION ET COMMANDE AUDIO NUMERIQUE DANS UNE AIRE DE PERFORMANCE EN DIRECT**
[72] HEINEMAN, FRED W., US
[73] EN TECHNOLOGY CORPORATION, US
[85] 2011-10-13
[86] 2010-04-14 (PCT/US2010/030997)
[87] (WO2010/120855)
[30] US (61/169,020) 2009-04-14
[30] US (61/322,420) 2010-04-09

---

[11] **2,758,968**
[13] C
[51] **Int.Cl. C07D 211/96 (2006.01) A01N 43/62 (2006.01) A61K 31/18 (2006.01) A61P 11/02 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) C07D 241/04 (2006.01) C07D 241/08 (2006.01) C07D 295/26 (2006.01)**
[25] EN
[54] **2,5-DISUBSTITUTED ARYLSULFONAMIDE CCR3 ANTAGONISTS**
[54] **ANTAGONISTES CCR3 D'ARYLSULFONAMIDES 2,5-DISUBSTITUES**
[72] LY, TAI WEI, US
[72] POTTER, GARRETT THOMAS, US
[73] AXIKIN PHARMACEUTICALS, INC., US
[85] 2011-10-14
[86] 2010-04-21 (PCT/US2010/031832)
[87] (WO2010/123959)
[30] US (61/171,626) 2009-04-22

[11] **2,759,492**
[13] C
[51] **Int.Cl. H05K 7/20 (2006.01) G06F 1/16 (2006.01) G06F 1/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SELECTIVE HEATING FOR ELECTRONIC COMPONENTS OF A HANDHELD DEVICE**
[54] **PROCEDE ET APPAREIL POUR LE CHAUFFAGE SELECTIF DE COMPOSANTS ELECTRONIQUES D'UN DISPOSITIF A MAIN**
[72] ARDRON, DAVID NEIL, CA
[73] PSION INC., CA
[86] (2759492)
[87] (2759492)
[22] 2011-11-24
[30] US (12/974,547) 2010-12-21

---

[11] **2,760,175**
[13] C
[51] **Int.Cl. A01N 1/02 (2006.01) C12M 3/04 (2006.01) C12N 1/04 (2006.01)**
[25] EN
[54] **APPARATUSES AND COMPOSITIONS FOR CRYOPRESERVATION OF CELLULAR MONOLAYERS**
[54] **APPAREILS ET COMPOSITIONS POUR LA CRYOCONSERVATION DE MONOCOUCHES CELLULAIRES**
[72] CLARKE, DOMINIC M., US
[72] NICOUD, IAN B., US
[72] MATHEW, ABY J., US
[72] RICE, MICHAEL, US
[73] BIOLIFE SOLUTIONS, INC., US
[85] 2011-10-26
[86] 2010-04-29 (PCT/US2010/033032)
[87] (WO2010/127158)
[30] US (61/173,888) 2009-04-29

---

[11] **2,760,753**
[13] C
[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR DRILLING AND OPERATING HYDROCARBON WELLS**
[54] **RACCORD FILETE POUR LE FORAGE ET L'EXPLOITATION DE PUITS D'HYDROCARBURES**
[72] GRANGER, SCOTT, FR
[72] CARON, OLIVIER, FR
[72] VERGER, ERIC, FR
[73] SUMITOMO METAL INDUSTRIES, LTD., JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2011-11-02
[86] 2010-05-07 (PCT/EP2010/002805)
[87] (WO2010/133299)
[30] FR (0902497) 2009-05-20

---

[11] **2,760,909**
[13] C
[51] **Int.Cl. C02F 3/28 (2006.01)**
[25] EN
[54] **BIOREACTOR COMPRISING A MIXING CHAMBER**
[54] **BIOREACTEUR COMPRENANT UNE CHAMBRE DE MELANGE**
[72] FRANKENA, DOUWE, NL
[72] VELLINGA, SJOERD HUBERTUS JOSEF, NL
[73] PAQUES I.P. B.V., NL
[85] 2011-11-03
[86] 2010-05-03 (PCT/NL2010/050254)
[87] (WO2010/128850)
[30] EP (09159341.8) 2009-05-04

---

[11] **2,761,000**
[13] C
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/4468 (2006.01) A61K 47/02 (2006.01)**
[25] EN
[54] **COMPOSITION FOR SUSTAINED DRUG DELIVERY COMPRISING GEOPOLYMERIC BINDER**
[54] **COMPOSITION POUR ADMINISTRATION PROLONGEE DE MEDICAMENTS COMPRENANT UN LIANT GEOPOLYMERE**
[72] ENGQVIST, HAEKAN, SE
[73] EMPLICURE AB, SE
[85] 2011-11-04
[86] 2010-05-07 (PCT/GB2010/000910)
[87] (WO2010/128300)
[30] SE (0900626-3) 2009-05-08
[30] SE (1000117-0) 2010-02-08

---

[11] **2,761,709**
[13] C
[51] **Int.Cl. B32B 7/10 (2006.01) B05C 17/06 (2006.01)**
[25] EN
[54] **MASKING ARTICLE FOR PRODUCING PRECISE PAINT LINES AND METHOD OF IMPROVING PAINT LINE PERFORMANCE OF MASKING ARTICLES**
[54] **ARTICLE DE MASQUAGE POUR PRODUIRE DES LIGNES DE PEINTURE PRECISES ET PROCEDE POUR AMELIORER LA REALISATION DES LIGNES DE PEINTURE D'ARTICLES DE MASQUAGE**
[72] SCHOLZ, MATTHEW T., US
[72] SPIEWAK, BRIAN E., US
[72] WONG, ROY, US
[72] WOOD, THOMAS E., US
[72] WRIGHT, ROBIN E., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2011-11-10
[86] 2010-05-10 (PCT/US2010/034218)
[87] (WO2010/132351)
[30] US (61/177,574) 2009-05-12

[11] **2,766,369**
[13] C
[51] **Int.Cl. H04W 4/029 (2018.01) H04W 4/20 (2018.01) H04W 80/04 (2009.01)**
[25] EN
[54] **TRANSPORT OF LCS-RELATED MESSAGES FOR LTE ACCESS**
[54] **TRANSPORT DE MESSAGES LIES A DES LCS POUR UN ACCES A UN EQUIPEMENT TERMINAL DE LIGNE (LTE)**
[72] EDGE, STEPHEN W., US
[72] BURROUGHS, KIRK ALLAN, US
[72] SUBRAMANIAN, RAMACHANDRAN, US
[73] QUALCOMM INCORPORATED, US
[85] 2011-12-21
[86] 2010-06-22 (PCT/US2010/039478)
[87] (WO2011/005516)
[30] US (61/219,376) 2009-06-22
[30] US (61/236,501) 2009-08-24
[30] US (12/819,815) 2010-06-21

---

[11] **2,766,390**
[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61F 2/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR TREATMENT OF INCISION OR HERNIA**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'UNE INCISION OU D'UNE HERNIE**
[72] HARPER, JOHN R., US
[73] LIFECELL CORPORATION, US
[85] 2011-12-21
[86] 2010-07-01 (PCT/US2010/040717)
[87] (WO2011/002962)
[30] US (61/222,691) 2009-07-02

---

[11] **2,769,198**
[13] C
[51] **Int.Cl. C25D 9/08 (2006.01) C25D 5/50 (2006.01) F01D 5/28 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A THERMAL BARRIER**
[54] **METHODE DE FABRICATION D'UNE BARRIERE THERMIQUE**
[72] PEDRAZA DIAZ, FERNANDO, FR
[72] BOUCHAUD, BAPTISTE, FR
[72] BALMAIN, JOSSELINE, FR
[72] BONNET, GILLES, FR
[72] MENUEY, JUSTINE, FR
[73] SNECMA, FR
[73] UNIVERSITE DE LA ROCHELLE, FR
[85] 2012-01-25
[86] 2010-07-29 (PCT/FR2010/051614)
[87] (WO2011/012819)
[30] FR (0955369) 2009-07-30

---

[11] **2,769,747**
[13] C
[51] **Int.Cl. G01N 33/543 (2006.01)**
[25] EN
[54] **DEVICE FOR DETECTION OF ANTIGENS AND USES THEREOF**
[54] **DISPOSITIF POUR LA DETECTION D'ANTIGENES ET APPLICATIONS ASSOCIEES**
[72] SICILIANO, NICHOLAS A., US
[72] BOULIANE, MARTIN JOSEPH, US
[73] INVISIBLE SENTINEL, INC., US
[85] 2012-01-31
[86] 2010-07-30 (PCT/US2010/043889)
[87] (WO2011/014763)
[30] US (12/533,721) 2009-07-31

---

[11] **2,773,795**
[13] C
[51] **Int.Cl. G06T 9/00 (2006.01) A61B 1/04 (2006.01) A61B 1/045 (2006.01) A61B 1/06 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR IMAGE PROCESSING IN WIRELESS CAPSULE ENDOSCOPY**
[54] **METHODES ET APPAREILS POUR LE TRAITEMENT D'IMAGES DANS UNE ENDOSCOPIE PAR CAPSULE SANS FIL**
[72] KHAN, TAREQ HASAN, CA
[72] WAHID, KHAN ARIF, CA
[73] UNIVERSITY OF SASKATCHEWAN, CA
[86] (2773795)
[87] (2773795)
[22] 2012-04-11

---

[11] **2,774,871**
[13] C
[51] **Int.Cl. G01N 33/566 (2006.01) A01K 67/027 (2006.01) C07K 14/435 (2006.01) C12N 15/09 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **SCREENING METHOD UTILIZING THALIDOMIDE-TARGETING FACTOR**
[54] **PROCEDE DE CRIBLAGE UTILISANT LE FACTEUR DE CIBLAGE DE LA THALIDOMIDE**
[72] HANDA, HIROSHI, JP
[72] ANDO, HIDEKI, JP
[72] ITOH, TAKUMI, JP
[72] HOTTA, KENTARO, JP
[73] TOKYO INSTITUTE OF TECHNOLOGY, JP
[73] FUJIMOTO PHARMACEUTICAL CORPORATION, JP
[85] 2012-03-21
[86] 2010-10-18 (PCT/JP2010/068272)
[87] (WO2011/049043)
[30] JP (2009-241290) 2009-10-20

---

[11] **2,775,382**
[13] C
[51] **Int.Cl. G01L 9/00 (2006.01) G01L 7/00 (2006.01) G01L 17/00 (2006.01) G01L 19/08 (2006.01)**
[25] FR
[54] **SEALED PRESSURE-MEASURING MEMBER**
[54] **ORGANE DE MESURE DE PRESSION ETANCHE**
[72] CHAMPREDONDE, JONATHAN, ES
[72] LEMAN, RICHARD, GB
[72] LEMAN, MARK, GB
[72] SMITH, PETER, GB
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2012-03-23
[86] 2010-09-30 (PCT/FR2010/052071)
[87] (WO2011/039486)
[30] FR (0956796) 2009-09-30

---

[11] **2,775,999**
[13] C
[51] **Int.Cl. H01B 7/04 (2006.01)**
[25] EN
[54] **UMBILICAL**
[54] **CABLE OMBILICAL**
[72] FOGG, DAVID, GB
[73] TECHNIP FRANCE, FR
[85] 2012-03-29
[86] 2010-10-05 (PCT/GB2010/051664)
[87] (WO2011/045582)
[30] GB (0917853.4) 2009-10-13

[11] **2,776,157**
[13] C
[51] **Int.Cl. A47J 37/12 (2006.01) A23L 5/10 (2016.01) A23L 19/18 (2016.01)**
[25] EN
[54] **UNITIZED VACUUM FRYER**
[54] **FRITEUSE SOUS-VIDE MONOCOQUE**
[72] CARIDIS, ANDREW A., US
[72] PADILLA, JAMES A., US
[72] CARIDIS, ANTHONY A., US
[72] MILLER, THOMAS JOHN, US
[72] GILES, DONALD, US
[73] HEAT AND CONTROL, INC., US
[86] (2776157)
[87] (2776157)
[22] 2012-05-02
[30] US (13/068,108) 2011-05-02

---

[11] **2,776,538**
[13] C
[51] **Int.Cl. C07H 21/00 (2006.01) C07H 21/04 (2006.01) C07H 19/10 (2006.01) C07H 19/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SEQUENCING NUCLEIC ACIDS**
[54] **COMPOSITIONS ET PROCEDES UTILISABLES A DES FINS DE SEQUENCAGE D'ACIDES NUCLEIQUES**
[72] CHIOU, CHUNG-FAN, CN
[72] PAN, CHAO-CHI, CN
[72] FANN, JENN-YEH, CN
[72] CHANG, SHANG-CHIA, CN
[72] FU, TSU-JU, CN
[73] INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TW
[85] 2012-04-03
[86] 2011-06-01 (PCT/CN2011/075106)
[87] (WO2011/150852)
[30] US (61/350,693) 2010-06-02
[30] US (13/117,565) 2011-05-27

---

[11] **2,776,733**
[13] C
[51] **Int.Cl. H01L 33/54 (2010.01) G02B 17/08 (2006.01) F21V 5/08 (2006.01) F21V 7/09 (2006.01)**
[25] EN
[54] **LENS FOR ASYMMETRICAL LIGHT BEAM GENERATION**
[54] **LENTILLE DE GENERATION DE FAISCEAU LUMINEUX ASYMETRIQUE**
[72] TREANTON, VINCENT, NL
[73] PHILIPS LIGHTING HOLDING B.V., NL
[85] 2012-04-03
[86] 2010-09-29 (PCT/IB2010/054385)
[87] (WO2011/042837)
[30] EP (09305953.3) 2009-10-08

---

[11] **2,776,937**
[13] C
[51] **Int.Cl. A61B 90/57 (2016.01) A61B 90/50 (2016.01) A61B 17/34 (2006.01)**
[25] EN
[54] **HOLDING DEVICE FOR HOLDING A MANUALLY OPERATED MEDICAL DEVICE**
[54] **DISPOSITIF DE MAINTIEN POUR LE MAINTIEN D'UN DISPOSITIF MEDICAL A COMMANDE MANUELLE**
[72] JASPERS, JORIS EMANUEL NICOLAAS, NL
[72] BOSMA, JESSE MATTAN, NL
[73] UMC UTRECHT HOLDING B.V., NL
[85] 2012-04-05
[86] 2009-10-07 (PCT/NL2009/050606)
[87] (WO2011/043644)

---

[11] **2,777,036**
[13] C
[51] **Int.Cl. G01P 5/26 (2006.01) G01S 17/58 (2006.01)**
[25] FR
[54] **DEVICE FOR MEASURING WIND SPEED**
[54] **DISPOSITIF DE MESURE DE LA VITESSE DU VENT**
[72] LEPAYSAN, CHRISTOPHE, FR
[72] TEYSSEYRE, RAPHAEL, FR
[73] EPSILINE, FR
[85] 2012-04-05
[86] 2010-10-11 (PCT/FR2010/052149)
[87] (WO2011/042678)
[30] FR (0957080) 2009-10-09

---

[11] **2,777,404**
[13] C
[51] **Int.Cl. G08B 13/24 (2006.01) G06K 19/077 (2006.01) G08B 13/14 (2006.01)**
[25] EN
[54] **EAS ALARMING TAG WITH RFID FEATURES**
[54] **ETIQUETTE D'ALARME POUR LA SURVEILLANCE ELECTRONIQUE DES ARTICLES, AVEC FONCTIONNALITES RFID**
[72] ALEXIS, MARK, US
[73] TYCO FIRE & SECURITY GMBH, CH
[85] 2012-04-12
[86] 2010-09-10 (PCT/US2010/002463)
[87] (WO2011/037604)
[30] US (12/566,855) 2009-09-25

---

[11] **2,777,596**
[13] C
[51] **Int.Cl. H02J 50/80 (2016.01) H02J 50/10 (2016.01) F41G 11/00 (2006.01) F41H 13/00 (2006.01) H02J 7/00 (2006.01) H04B 5/00 (2006.01) H04K 3/00 (2006.01)**
[25] EN
[54] **AN INDUCTIVELY COUPLED POWER AND DATA TRANSMISSION SYSTEM**
[54] **SYSTEME DE TRANSMISSION DE PUISSANCE ET DE DONNEES COUPLE PAR INDUCTION**
[72] SOAR, ROGER J., CA
[73] CYNETIC DESIGNS LTD., CA
[85] 2012-04-13
[86] 2010-10-13 (PCT/CA2010/001638)
[87] (WO2011/044695)
[30] US (61/272,621) 2009-10-13

[11] ***2,780,231**
[13] C
[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **GOAL ORIENTED PERFORMANCE MANAGEMENT OF WORKLOAD UTILIZING ACCELERATORS**
[54] **GESTION DE PERFORMANCE ORIENTEE OBJECTIF DE CHARGE DE TRAVAIL UTILISANT DES ACCELERATEURS**
[72] THOENNES, MATHEW, US
[72] DILLENBERGER, DONNA N., US
[72] YOCOM, PETER, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2012-05-07
[86] 2010-12-14 (PCT/EP2010/069559)
[87] (WO2011/076608)
[30] US (12/647,272) 2009-12-24

---

[11] ***2,780,235**
[13] C
[51] **Int.Cl. G11B 5/584 (2006.01)**
[25] EN
[54] **SYNCHRONIZATION OF SYMMETRIC TIMING BASED SERVO BURSTS**
[54] **SYNCHRONISATION DE RAFALES D'ASSERVISSEMENT CADENCEES SYMETRIQUES**
[72] CHERUBINI, GIOVANNI, CH
[72] JELITTO, JENS, CH
[72] LANTZ, MARK A., CH
[72] HUTCHINS, ROBERT A., US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2012-05-07
[86] 2011-01-19 (PCT/EP2011/050674)
[87] (WO2011/104050)
[30] US (12/712,039) 2010-02-24

---

[11] **2,780,304**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 47/02 (2006.01) A61K 47/24 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **OPHTHALMIC EMULSION**
[54] **EMULSION OPHTALMIQUE**
[72] KETELSON, HOWARD ALLEN, US
[72] MEADOWS, DAVID L., US
[73] ALCON RESEARCH, LTD., US
[85] 2012-05-08
[86] 2010-12-02 (PCT/US2010/058703)
[87] (WO2011/068955)
[30] US (61/266,207) 2009-12-03

---

[11] **2,780,318**
[13] C
[51] **Int.Cl. G08B 13/24 (2006.01) G08B 29/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCING CART ALARMS AND INCREASING SENSITIVITY IN AN EAS SYSTEM WITH METAL SHIELDING DETECTION**
[54] **SYSTEME ET PROCEDE DE DIMINUTION DES ALARMES DE CHARIOTS ET D'AUGMENTATION DE LA SENSIBILITE DANS UN SYSTEME DE SURVEILLANCE ELECTRONIQUE D'ARTICLE AVEC DETECTION DE PROTECTION METALLIQUE**
[72] BERGMAN, ADAM S., US
[73] TYCO FIRE & SECURITY GMBH, CH
[85] 2012-05-08
[86] 2010-10-05 (PCT/US2010/002681)
[87] (WO2011/059469)
[30] US (12/615,755) 2009-11-10

---

[11] **2,780,567**
[13] C
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 9/455 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR EXECUTING SOFTWARE APPLICATIONS USING HARDWARE ABSTRACTION**
[54] **METHODES ET SYSTEMES D'EXECUTION D'APPLICATIONS LOGICIELLES A L'AIDE D'ABSTRACTION D'OBJETS MATERIELS**
[72] HOTRA, JONATHAN NICHOLAS, US
[72] TURNER, DONALD EUGENE, US
[73] THE BOEING COMPANY, US
[86] (2780567)
[87] (2780567)
[22] 2012-06-19
[30] US (13/170,601) 2011-06-28

---

[11] **2,780,826**
[13] C
[51] **Int.Cl. A61B 17/90 (2006.01) A61B 17/17 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **PATIENT-SPECIFIC GUIDE FOR ACETABULAR CUP PLACEMENT**
[54] **GUIDE DE POSITIONNEMENT D'UNE CUPULE ACETABULAIRE SPECIFIQUE D'UN PATIENT**
[72] RUDAN, JOHN F., CA
[72] KUNZ, MANUELA, CA
[73] QUEEN'S UNIVERSITY AT KINGSTON, CA
[85] 2012-05-14
[86] 2010-11-17 (PCT/CA2010/001828)
[87] (WO2011/060536)
[30] US (61/262,073) 2009-11-17

[11] **2,781,178**
[13] C
[51] **Int.Cl. H04L 12/70 (2013.01) H04W 88/08 (2009.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD, STORAGE MEDIUM AND HOSTING DEVICE FOR SUPPORTING A STATICALLY CONFIGURED GUEST DEVICE**
[54] **METHODE, SUPPORT DE STOCKAGE ET DISPOSITIF D'HEBERGEMEENT PERMETTANT LA PRISE EN CHARGE D'UN DISPOSITIF INVITE CONFIGURE DE MANIERE STATIQUE**
[72] SCHMIDT, SAMUEL, CA
[72] SCHMIDT, MIKE, CA
[73] INTELLO TECHNOLOGIES INC., CA
[86] (2781178)
[87] (2781178)
[22] 2012-06-18
[30] US (61/497.772) 2011-06-16

[11] **2,782,881**
[13] C
[51] **Int.Cl. A47L 7/00 (2006.01) A47L 5/38 (2006.01) A47L 9/02 (2006.01)**
[25] EN
[54] **INLET FOR VACUUM CLEANING APPARATUS**
[54] **PRISE POUR ASPIRATEUR**
[72] SCHLAPKOHL, PETER, US
[73] IVD GLOBAL CORPORATION, US
[86] (2782881)
[87] (2782881)
[22] 2012-07-13
[30] US (13/485,313) 2012-05-31

[11] **2,783,201**
[13] C
[51] **Int.Cl. C12P 7/10 (2006.01) D21C 1/10 (2006.01) D21C 3/02 (2006.01) D21C 3/06 (2006.01) C12P 5/02 (2006.01) C12P 7/16 (2006.01) C12P 7/46 (2006.01)**
[25] EN
[54] **PRE-TREATMENT OF CELLULOSIC MATERIAL**
[54] **PRETRAITEMENT DE MATIERE CELLULOSIQUE**
[72] VAN DER MEULEN, TORBJOERN, SE
[72] FORSS, STANLEY, SE
[72] ELFVING, LARS, SE
[72] MAGNUSSON, STAFFAN, SE
[72] HAEGGLUND, MAGNUS, SE
[72] SJOEBLOM, ANDERS, SE
[73] SEKAB E-TECHNOLOGY AB, SE
[85] 2012-06-05
[86] 2010-12-17 (PCT/EP2010/070134)
[87] (WO2011/080131)
[30] EP (09180192.8) 2009-12-21

[11] **2,783,361**
[13] C
[51] **Int.Cl. B65D 47/08 (2006.01) A61L 12/08 (2006.01)**
[25] EN
[54] **A CLOSURE FOR CONTAINERS OF OPHTHALMIC SOLUTIONS**
[54] **FERMETURE POUR CONTENANTS DE SOLUTIONS OPHTALMIQUES**
[72] HUNTINGTON, ELYSHA, US
[72] TANAKA, RICHARD, US
[72] YUMUL, ANTHONY, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2012-06-06
[86] 2010-12-15 (PCT/US2010/060395)
[87] (WO2011/084445)
[30] US (61/286,937) 2009-12-16
[30] US (12/967,822) 2010-12-14

[11] ***2,783,452**
[13] C
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 11/16 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **MIGRATING VIRTUAL MACHINES AMONG NETWORKED SERVERS UPON DETECTION OF DEGRADING NETWORK LINK OPERATION**
[54] **MIGRATION DE MACHINES VIRTUELLES ENTRE SERVEURS EN RESEAU LORS D'UNE DETECTION DE DEGRADATION DE FONCTIONNEMENT DE LIAISON DE RESEAU**
[72] HANSSON, NILS PETER, US
[72] SMITH, BRUCE ALAN, US
[72] SUFFERN, EDWARD STANLEY, US
[72] WOOLDRIDGE, JAMES LEE, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2012-06-06
[86] 2011-05-17 (PCT/EP2011/057998)
[87] (WO2011/144633)
[30] US (12/784,061) 2010-05-20

[11] **2,783,621**
[13] C
[51] **Int.Cl. A23L 27/30 (2016.01) A23L 27/00 (2016.01) A23L 2/60 (2006.01)**
[25] EN
[54] **SWEETNESS ENHANCERS, COMPOSITIONS THEREOF, AND METHODS FOR USE**
[54] **ADJUVANTS DE SUCROSITE, COMPOSITIONS DE CEUX-CI, ET PROCEDES POUR UTILISATION**
[72] PRAKASH, INDRA, US
[72] DUBOIS, GRANT E., US
[72] KLUCIK, JOSEF, US
[72] SAN MIGUEL, RAFAEL I., US
[72] FRITSCH, RUDY J., US
[72] CHATURVEDULA, VENKATA SAI PRAKASH, US
[73] THE COCA-COLA COMPANY, US
[85] 2012-06-07
[86] 2010-12-28 (PCT/US2010/062210)
[87] (WO2011/090709)
[30] US (61/290,370) 2009-12-28

[11] **2,783,914**
[13] C
[51] **Int.Cl. D04H 13/00 (2006.01) B32B 5/26 (2006.01) B60N 3/04 (2006.01) D05C 17/02 (2006.01) D06N 7/00 (2006.01)**
[25] EN
[54] **PRIMARY CARPET BACKING**
[54] **DOSSIER DE TAPIS PRIMAIRE**
[72] VISSCHER, EDZE JAN, NL
[73] LOW & BONAR B.V., NL
[85] 2012-06-08
[86] 2010-12-07 (PCT/EP2010/069042)
[87] (WO2011/069996)
[30] EP (09178463.7) 2009-12-09

---

[11] **2,784,292**
[13] C
[51] **Int.Cl. B01D 17/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE REMOVAL OF IMPURITIES FROM AN IMPURITY-LOADED IONIC LIQUID**
[54] **PROCEDES ET COMPOSITIONS SERVANT A L'ELIMINATION DES IMPURETES DANS UN LIQUIDE IONIQUE CHARGE D'IMPURETES**
[72] LEAN, JOHN, US
[72] GRIFFIN, SCOTT, US
[72] TAYLOR, MATTHEW, US
[73] CYTEC TECHNOLOGY CORP., US
[85] 2012-06-13
[86] 2010-12-01 (PCT/US2010/058541)
[87] (WO2011/081764)
[30] US (61/286,430) 2009-12-15

---

[11] **2,784,976**
[13] C
[51] **Int.Cl. C08F 210/18 (2006.01) C08F 4/6592 (2006.01)**
[25] EN
[54] **TI CATALYST SYSTEM COMPRISING SUBSTITUTED CYCLOPENTADIENYL, AMIDINE AND DIENE LIGAND**
[54] **SYSTEME DE CATALYSEUR AU TI COMPRENANT UN LIGAND DE CYCLOPENTADIENYLE SUBSTITUE, D'AMIDINE ET DE DIENE**
[72] DOREMAELE VAN, GERARDUS HENRICUS JOSEPHUS, NL
[72] ZUIDEVELD, MARTIN ALEXANDER, NL
[72] MOUNTFORD, PHILIP, GB
[72] HEATH, ALEX, GB
[72] SCOTT, RICHARD T. W., GB
[73] ARLANXEO NETHERLANDS B.V., NL
[85] 2012-06-18
[86] 2010-12-21 (PCT/EP2010/070344)
[87] (WO2011/076775)
[30] EP (09180137.3) 2009-12-21

---

[11] ***2,785,625**
[13] C
[51] **Int.Cl. H01L 27/22 (2006.01) B82Y 25/00 (2011.01) G11C 11/16 (2006.01) H01L 43/08 (2006.01) H01L 43/12 (2006.01)**
[25] EN
[54] **MAGNETIC RANDOM ACCESS MEMORY DEVICE AND METHOD FOR PRODUCING A MAGNETIC RANDOM ACCESS MEMORY DEVICE**
[54] **DISPOSITIF DE MEMOIRE MAGNETIQUE A ACCES DIRECT ET PROCEDE DE PRODUCTION D'UN DISPOSITIF DE MEMOIRE MAGNETIQUE A ACCES DIRECT**
[72] ALLENSPACH, ROLF, CH
[72] ZINONI, CARL, FR
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2012-06-26
[86] 2011-06-08 (PCT/IB2011/052491)
[87] (WO2012/001555)
[30] EP (10168021.3) 2010-06-30

---

[11] **2,785,768**
[13] C
[51] **Int.Cl. G01V 3/20 (2006.01) E21B 47/00 (2012.01) G01V 3/34 (2006.01)**
[25] EN
[54] **LOGGING TOOL EMPLOYING A MONOPOLE CURRENT INJECTION ELECTRODE FOR MICRORESISTIVITY IMAGING**
[54] **APPAREIL DE DIAGRAPHIE UTILISANT UNE ELECTRODE D'INJECTION DE COURANT UNIPOLAIRE POUR IMAGERIE DE MICRORESISTIVITE**
[72] WANG, TSILI, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2012-06-26
[86] 2010-12-21 (PCT/US2010/061490)
[87] (WO2011/090658)
[30] US (12/649,885) 2009-12-30

---

[11] **2,785,825**
[13] C
[51] **Int.Cl. C07K 16/06 (2006.01)**
[25] EN
[54] **PROCESS FOR THE INDUSTRIAL-SCALE PURIFICATION OF GAMMA GLOBULINS FROM HUMAN PLASMA FOR INDUSTRIAL APPLICATIONS**
[54] **PROCEDE POUR LA PURIFICATION A L'ECHELLE INDUSTRIELLE DE GAMMAGLOBULINES A PARTIR D'UN PLASMA HUMAIN POUR APPLICATIONS INDUSTRIELLES**
[72] NARDINI, CLAUDIA, IT
[72] MORELLI, ANDREA, IT
[72] FARINA, CLAUDIO, IT
[72] ESPOSITO, SABRINA, IT
[72] LAZZAROTTI, ALESSANDRA, IT
[72] PETRUCCI, ARIANNA, IT
[73] KEDRION S.P.A., IT
[85] 2012-06-27
[86] 2010-12-28 (PCT/IB2010/056093)
[87] (WO2011/080698)
[30] IT (FI2009A000273) 2009-12-28

[11] **2,786,823**
[13] C
[51] **Int.Cl. G16H 10/00 (2018.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING A DATA TRANSMISSION TO AND/OR FROM A PLURALITY OF MEDICAL DEVICES**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE TRANSMISSION DE DONNEES VERS ET/OU DEPUIS UNE PLURALITE D'APPAREILS MEDICAUX**
[72] SCHMOLL, HORST, DE
[72] PAETZOLD, MATTHIAS, DE
[73] B. BRAUN MELSUNGEN AG, DE
[85] 2012-07-10
[86] 2011-02-24 (PCT/EP2011/052728)
[87] (WO2011/104296)
[30] DE (10 2010 009 540.0) 2010-02-26

---

[11] **2,787,124**
[13] C
[51] **Int.Cl. G01N 15/10 (2006.01) C12M 1/34 (2006.01) G01N 15/14 (2006.01) G06K 9/00 (2006.01) G06M 11/00 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **CELL CHARACTERIZATION USING MULTIPLE FOCUS PLANES**
[54] **CARACTERISATION DE CELLULE AU MOYEN DE MULTIPLES PLANS DE MISE AU POINT**
[72] BRENIMAN, GENE, US
[72] GRIFFIN, MICHAEL, US
[73] BIO-RAD LABORATORIES, INC., US
[85] 2012-07-11
[86] 2011-01-12 (PCT/US2011/020952)
[87] (WO2011/088091)
[30] US (61/294,416) 2010-01-12
[30] US (13/004,718) 2011-01-11

---

[11] **2,787,611**
[13] C
[51] **Int.Cl. A23G 1/44 (2006.01) A23G 3/44 (2006.01)**
[25] FR
[54] **CONFECTIONARY CONTAINING PEA PROTEINS**
[54] **CONFISERIES AUX PROTEINES DE POIS**
[72] CHOROMANSKI, PIERRE, FR
[72] MULLER, ELSA, FR
[72] PARADY, THOMAS, US
[73] ROQUETTE FRERES, FR
[85] 2012-07-18
[86] 2011-02-03 (PCT/FR2011/050213)
[87] (WO2011/095740)
[30] FR (1050740) 2010-02-03

---

[11] **2,787,626**
[13] C
[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0485 (2013.01)**
[25] EN
[54] **MULTI-LAYER USER INTERFACE WITH FLEXIBLE PARALLEL AND ORTHOGONAL MOVEMENT**
[54] **INTERFACE UTILISATEUR MULTICOUCHE A DEPLACEMENT PARALLELE ET ORTHOGONAL FLEXIBLE**
[72] FONG, JEFFREY CHENG-YAO, US
[72] HULL, ERIC J., US
[72] CHUB, SERGEY, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2012-07-19
[86] 2011-02-11 (PCT/US2011/024639)
[87] (WO2011/100623)
[30] US (61/304,004) 2010-02-12
[30] US (12/824,049) 2010-06-25

---

[11] **2,788,761**
[13] C
[51] **Int.Cl. C07D 237/04 (2006.01) A61K 31/5025 (2006.01) A61P 31/12 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **SANGLIFEHRIN BASED COMPOUNDS USEFUL FOR TREATING VIRAL INFECTION CAUSED BY HCV, HBV OR HIV**
[54] **COMPOSES A BASE DE SANGLIFEHRINE UTILES POUR LE TRAITEMENT D'UNE INFECTION VIRALE CAUSEE PAR LE VHC, LE VHB OU LE VIH**
[72] MOSS, STEVEN JAMES, GB
[72] GREGORY, MATTHEW ALAN, GB
[72] WILKINSON, BARRIE, GB
[72] MARTIN, CHRISTINE JANET, GB
[73] NEUROVIVE PHARMACEUTICAL AB, SE
[85] 2012-08-01
[86] 2011-02-09 (PCT/GB2011/050236)
[87] (WO2011/098809)
[30] GB (1002097.2) 2010-02-09
[30] GB (1006128.1) 2010-04-13
[30] GB (1101085.7) 2011-01-21

[11] **2,789,475**
[13] C
[51] **Int.Cl. C07D 239/54 (2006.01) A61K 31/513 (2006.01) A61K 31/5383 (2006.01) A61P 25/00 (2006.01) C07D 401/00 (2006.01) C07D 403/10 (2006.01) C07D 405/10 (2006.01) C07D 409/10 (2006.01) C07D 413/10 (2006.01) C07D 417/10 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF CATECHOL O-METHYL TRANSFERASE AND THEIR USE IN THE TREATMENT OF PSYCHOTIC DISORDERS**
[54] **INHIBITEURS DE CATECHOL O-METHYL TRANSFERASE ET UTILISATION ASSOCIEE DANS LE TRAITEMENT DE TROUBLES PSYCHOTIQUES**
[72] WOLKENBERG, SCOTT, US
[72] HARRISON, SCOTT T., US
[72] BARROW, JAMES C., US
[72] ZHAO, ZHIJIAN, US
[72] MELAMED, JEFFREY, US
[72] KETT, NATHAN, US
[72] ZARTMAN, AMY, US
[73] MERCK SHARP & DOHME CORP., US
[85] 2012-08-09
[86] 2011-02-28 (PCT/US2011/026424)
[87] (WO2011/109267)
[30] US (61/310,386) 2010-03-04

---

[11] **2,789,529**
[13] C
[51] **Int.Cl. D06F 23/02 (2006.01) D06F 35/00 (2006.01)**
[25] EN
[54] **IMPROVED CLEANING APPARATUS HAVING RECIRCULATION MEANS AND METHOD**
[54] **APPAREIL DE NETTOYAGE AMELIORE COMPORTANT DES MECANISMES DE RECIRCULATION ET METHODE**
[72] JENKINS, STEPHEN DEREK, GB
[72] KENNEDY, FRAZER JOHN, GB
[73] XEROS LIMITED, GB
[85] 2012-08-10
[86] 2011-02-10 (PCT/GB2011/050243)
[87] (WO2011/098815)
[30] GB (1002245.7) 2010-02-10

---

[11] **2,789,685**
[13] C
[51] **Int.Cl. A61F 13/44 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **RADIO OPAQUE, REDUCED-PRESSURE MANIFOLDS, SYSTEMS, AND METHODS**
[54] **COLLECTEURS RADIO-OPAQUES A PRESSION REDUITE, SYSTEMES ET METHODES**
[72] ZIMNITSKY, DMITRY, US
[72] VAIL, NEAL, US
[73] KCI LICENSING, INC., US
[85] 2012-08-13
[86] 2011-03-10 (PCT/US2011/027987)
[87] (WO2011/112866)
[30] US (61/313,386) 2010-03-12
[30] US (13/044,212) 2011-03-09

---

[11] **2,789,792**
[13] C
[51] **Int.Cl. A01K 15/02 (2006.01)**
[25] EN
[54] **MECHANICALLY COMPLIANT PROBE FOR DELIVERING AN ELECTRICAL STIMULUS TO AN ANIMAL**
[54] **SONDE MECANIQUEMENT SOUPLE POUR L'ADMINISTRATION D'UN STIMULUS ELECTRIQUE A UN ANIMAL**
[72] MAININI, CHRISTOPHER E., US
[72] BRICK, CLIFTON P., US
[73] RADIO SYSTEMS CORPORATION, US
[85] 2012-08-14
[86] 2011-02-25 (PCT/US2011/026243)
[87] (WO2011/106644)
[30] US (12/712,749) 2010-02-25

---

[11] **2,789,896**
[13] C
[51] **Int.Cl. E21C 41/22 (2006.01)**
[25] EN
[54] **UNDERGROUND MINING**
[54] **EXPLOITATION SOUTERRAINE**
[72] ODDIE, MAX EDWARD, GB
[72] JONES, COLIN IAN, GB
[72] DELABBIO, FREDRIC CHRISTOPHER, AU
[72] LABRECQUE, PIERRE, CA
[73] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
[85] 2012-08-15
[86] 2011-02-22 (PCT/AU2011/000187)
[87] (WO2011/100808)
[30] AU (2010900726) 2010-02-22
[30] AU (2010902511) 2010-06-08

---

[11] **2,789,971**
[13] C
[51] **Int.Cl. G01N 21/51 (2006.01) G01N 21/17 (2006.01)**
[25] EN
[54] **HANDHELD OPTICAL MEASURING DEVICE AND METHOD OF USE**
[54] **APPAREIL DE MESURE PORTATIF, ET PROCEDE D'UTILISATION**
[72] CHRISTENSEN, WILLIAM M., US
[72] TOKHTUEV, EUGENE, US
[72] OWEN, CHRISTOPHER J., US
[73] ECOLAB USA INC., US
[85] 2012-08-15
[86] 2011-03-29 (PCT/IB2011/051346)
[87] (WO2011/121549)
[30] US (12/750,811) 2010-03-31

---

[11] **2,790,295**
[13] C
[51] **Int.Cl. A23B 7/154 (2006.01) A23B 7/144 (2006.01) A23B 7/157 (2006.01)**
[25] EN
[54] **METHOD FOR PRESERVING FRESH CUT LEMON**
[54] **PROCEDE DE CONSERVATION DE CITRON NATUREL COUPE**
[72] LOPEZ INSAUSTI, RAFAEL, ES
[72] ITOIZ AVINZANO, REYES, ES
[72] GARCIA DE LA TORRE, SILVIA, ES
[72] GONZALEZ NAVARRO, CARLOS JAVIER, ES
[73] LUNACITRIC, S.A., ES
[85] 2012-08-17
[86] 2011-02-03 (PCT/ES2011/070072)
[87] (WO2011/101517)
[30] ES (P 201030234) 2010-02-18

[11] **2,790,401**
[13] C
[51] **Int.Cl. A61K 47/60 (2017.01) B01D 15/34 (2006.01) C07H 21/00 (2006.01) C07K 1/107 (2006.01) C07K 17/08 (2006.01) C12N 11/08 (2006.01) C07K 1/14 (2006.01)**
[25] EN
[54] **METHOD FOR ACTIVATION AND CONJUGATION OF BIOMOLECULES**
[54] **PROCEDE POUR L'ACTIVATION ET LA CONJUGAISON DE BIOMOLECULES**
[72] VOGEL, JENS H., US
[72] TO, CHI SHUNG BRIAN, US
[72] BIANCO, CAROLINA LUCIA, DE
[73] BAYER HEALTHCARE LLC, US
[85] 2012-08-17
[86] 2011-02-21 (PCT/US2011/025592)
[87] (WO2011/103531)
[30] US (61/306,513) 2010-02-21

---

[11] **2,790,476**
[13] C
[51] **Int.Cl. C12H 1/04 (2006.01) B01D 39/06 (2006.01) B01J 20/14 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING SOLUBLE METAL IONS IN DIATOMACEOUS EARTH FILTER AIDS**
[54] **PROCEDE DE REDUCTION DES IONS METALLIQUES SOLUBLES DANS DES ADJUVANTS POUR FILTRE A DIATOMEES**
[72] TING, PATRICK L., US
[72] SAUNDERS, FRAN L., US
[72] DANNENBERG, RHONDA M., US
[72] LAUMANN, JACQUELINE A., US
[72] EPLETT, JOHN T., US
[72] CASEY, GREGORY P., US
[72] RYDER, DAVID S., US
[73] COORS BREWING COMPANY, US
[85] 2012-08-20
[86] 2011-03-11 (PCT/US2011/028087)
[87] (WO2011/115832)
[30] US (12/724,173) 2010-03-15

---

[11] **2,790,672**
[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/00 (2006.01) G01N 33/15 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **ARTIFICIAL MYCOLIC ACID MEMBRANES**
[54] **MEMBRANES ARTIFICIELLES D'ACIDES MYCOLIQUES**
[72] GUNDLACH, JENS H., US
[72] DERRINGTON, IAN M., US
[72] LANGFORD, KYLE W., US
[73] UNIVERSITY OF WASHINGTON, US
[85] 2012-08-21
[86] 2011-02-23 (PCT/US2011/025960)
[87] (WO2011/106456)
[30] US (61/307,441) 2010-02-23
[30] US (61/375,707) 2010-08-20

---

[11] **2,790,942**
[13] C
[51] **Int.Cl. B29C 70/54 (2006.01) B01D 67/00 (2006.01) B01D 69/00 (2006.01) B01D 69/06 (2006.01) B29C 44/32 (2006.01) B32B 7/00 (2006.01) D06N 7/00 (2006.01)**
[25] EN
[54] **FLEXIBLE SHEET-LIKE MATERIAL FOR DEFINING A MATRIX MATERIAL FEED SPACE AND PROCESS FOR THE PRODUCTION THEREOF**
[54] **MATERIAU PLAT SOUPLE POUR DELIMITER UN ESPACE D'ALIMENTATION EN MATERIAU MATRICIEL ET PROCEDE DE FABRICATION DUDIT MATERIAU PLAT SOUPLE**
[72] KRINGS, WILHELM, DE
[72] HAENSCH, MANFRED, DE
[72] PRIBIL, LEOPOLD, DE
[72] HIERHAMMER, WILHELM, DE
[73] TRANS-TEXTIL GMBH, DE
[73] AIRBUS DEFENCE AND SPACE GMBH, DE
[85] 2012-08-23
[86] 2011-03-09 (PCT/EP2011/001162)
[87] (WO2011/110340)
[30] DE (10 2010 011 067.1) 2010-03-11

---

[11] **2,791,054**
[13] C
[51] **Int.Cl. B05D 7/24 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **MEDICAMENT DISPENSER DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION DE MEDICAMENT**
[72] BROMLEY-DAVENPORT, DARREN, GB
[72] STEVENSON, PAUL, GB
[73] PORTAL MEDICAL LTD., GB
[85] 2012-08-24
[86] 2011-02-23 (PCT/GB2011/050350)
[87] (WO2011/104539)
[30] GB (1003273.8) 2010-02-26

---

[11] **2,791,702**
[13] C
[51] **Int.Cl. A61K 31/137 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THE USE OF FENOTEROL AND FENOTEROL ANALOGUES IN THE TREATMENT OF GLIOBLASTOMAS AND ASTROCYTOMAS**
[54] **UTILISATION DU FENOTEROL ET DE SES ANALOGUES DANS LE TRAITEMENT DE GLIOBLASTOMES ET D'ASTROCYTOMES**
[72] WAINER, IRVING W., US
[72] BERNIER, MICHEL, US
[72] TOLL, LAWRENCE ROBERT, US
[72] JIMENEZ, LUCITA ARENAS, US
[73] SRI INTERNATIONAL, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2012-08-30
[86] 2011-03-10 (PCT/US2011/027988)
[87] (WO2011/112867)
[30] US (61/312,642) 2010-03-10

[11] **2,792,634**
[13] C
[51] **Int.Cl. H04L 12/911 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING A VIRTUAL PEER-TO-PEER ENVIRONMENT**
[54] **SYSTEME ET PROCEDE PERMETTANT D'OBTENIR UN ENVIRONNEMENT VIRTUEL DE POSTE A POSTE**
[72] CHATURVEDI, SIVAKUMAR, US
[72] GUNDABATHULA, SATISH, US
[72] CHATURVEDI, RAMESHKUMAR, US
[73] DAMAKA, INC., US
[85] 2012-09-07
[86] 2011-03-16 (PCT/US2011/028685)
[87] (WO2011/116104)
[30] US (12/728,024) 2010-03-19

---

[11] **2,793,029**
[13] C
[51] **Int.Cl. E01F 9/70 (2016.01)**
[25] FR
[54] **DEVICE FOR PICKING UP AND INSTALLING MARKING CONES, DESIGNED TO BE POSITIONED ON ONE SIDE, BEHIND OR IN FRONT OF A PICK-UP VEHICLE**
[54] **DISPOSITIF POUR LE RAMASSAGE ET LA POSE DE CONES DE BALISAGE, DESTINE A ETRE POSITIONNE SUR UN COTE, OU L'ARRIERE, OU L'AVANT D'UN VEHICULE DE RAMASSAGE**
[72] PARADIS, FRANCOIS, FR
[73] OPTOMACHINES, FR
[85] 2012-09-12
[86] 2011-03-17 (PCT/IB2011/000566)
[87] (WO2011/138647)
[30] FR (10/01105) 2010-03-19

---

[11] **2,793,469**
[13] C
[51] **Int.Cl. F25J 1/02 (2006.01)**
[25] EN
[54] **INTEGRATED PRE-COOLED MIXED REFRIGERANT SYSTEM AND METHOD**
[54] **SYSTEME DE FRIGORIGENE MELANGE PRE-REFROIDI INTEGRE ET PROCEDE**
[72] GUSHANAS, TIM, US
[72] DUCOTE, DOUG DOUGLAS, JR., US
[72] PODOLSKI, JAMES, US
[73] CHART ENERGY & CHEMICALS, INC., US
[85] 2012-09-17
[86] 2011-03-04 (PCT/US2011/027162)
[87] (WO2011/115760)
[30] US (12/726,142) 2010-03-17

---

[11] **2,793,984**
[13] C
[51] **Int.Cl. B03C 1/032 (2006.01) B03C 1/28 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR RECOVERING MAGNETIC PARTICLES TRAPPED ON A MAGNETIC PLUG**
[54] **DISPOSITIF ET PROCEDE DE RECUPERATION DE PARTICULES MAGNETIQUES PIEGEES SUR UN BOUCHON MAGNETIQUE**
[72] BERTHOD, GILLES, FR
[72] COLLADON, FABRICE, FR
[73] SNECMA, FR
[85] 2012-09-20
[86] 2011-03-21 (PCT/FR2011/050577)
[87] (WO2011/121207)
[30] FR (1052291) 2010-03-29

---

[11] **2,794,063**
[13] C
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 17/27 (2006.01) H04W 88/02 (2009.01) G06F 3/041 (2006.01) G06F 15/00 (2006.01)**
[25] EN
[54] **TOUCHSCREEN KEYBOARD PREDICTIVE DISPLAY AND GENERATION OF A SET OF CHARACTERS**
[54] **AFFICHAGE PREDICTIF DE CLAVIER TACTILE ET PRODUCTION D'UN ENSEMBLE DE CARACTDRES**
[72] GRIFFIN, JASON TYLER, CA
[72] PASQUERO, JEROME, CA
[73] BLACKBERRY LIMITED, CA
[86] (2794063)
[87] (2794063)
[22] 2012-11-01
[30] US (13/373,356) 2011-11-01
[30] US (13/588,803) 2012-08-17

---

[11] **2,794,194**
[13] C
[51] **Int.Cl. B61L 27/04 (2006.01) B61L 3/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING SPECIFIC EVENTS RELATED TO THE MOVEMENTS OF A GUIDED VEHICLE**
[54] **METHODE ET SYSTEME DE GESTION D'EVENEMENTS PARTICULIERS LIES AU DEPLACEMENT D'UN VEHICULE GUIDE**
[72] NOGUEIRA ALVES, CLARA, FR
[72] EL FASSI, SAIED, FR
[73] SIEMENS SAS, FR
[85] 2012-09-24
[86] 2010-04-28 (PCT/EP2010/055740)
[87] (WO2011/116837)
[30] EP (10290159.2) 2010-03-26

[11] **2,794,232**
[13] C
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING AT LEAST ONE EVALUATION PARAMETER OF AT LEAST ONE BLOOD SAMPLE**
[54] **PROCEDE ET APPAREIL DE DETERMINATION D'AU MOINS UN PARAMETRE D'EVALUATION D'AU MOINS UN ECHANTILLON DE SANG**
[72] SCHUBERT, AXEL, DE
[72] BELS, KEVIN, DE
[73] C A CASYSO AG, CH
[85] 2012-09-24
[86] 2011-02-08 (PCT/EP2011/051803)
[87] (WO2011/117017)
[30] EP (10157562.9) 2010-03-24

---

[11] **2,794,378**
[13] C
[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/56 (2014.01)**
[25] EN
[54] **MOTION PREDICTION METHOD AND VIDEO ENCODING METHOD**
[54] **PROCEDE DE PREDICTION DE MOUVEMENT ET PROCEDE DE CODAGE VIDEO**
[72] TSAI, YU-PAO, CN
[72] FU, CHIH-MING, CN
[72] LIN, JIAN-LIANG, CN
[72] HUANG, YU-WEN, CN
[72] LEI, SHAW-MIN, CN
[73] HFI INNOVATION INC., CN
[85] 2012-09-25
[86] 2011-04-08 (PCT/CN2011/072539)
[87] (WO2011/131091)
[30] US (61/326,731) 2010-04-22
[30] US (12/962,411) 2010-12-07

---

[11] **2,794,384**
[13] C
[51] **Int.Cl. A24B 13/00 (2006.01) A23F 3/30 (2006.01) A24B 15/28 (2006.01)**
[25] EN
[54] **SOLID ORAL SENSORIAL PRODUCTS INCLUDING STAIN INHIBITOR**
[54] **PRODUITS SENSORIELS SOLIDES A ADMINISTRATION PAR VOIE ORALE, COMPRENANT UN INHIBITEUR DE SALISSURE**
[72] MISER, DONALD E., US
[72] SWEENEY, WILLIAM R., US
[72] LI, QINGLIN, US
[72] MERSKI, JEROME A., US
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2012-09-25
[86] 2011-03-25 (PCT/EP2011/001503)
[87] (WO2011/116977)
[30] US (12/748,205) 2010-03-26

---

[11] **2,794,638**
[13] C
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/28 (2006.01) A24B 15/30 (2006.01)**
[25] EN
[54] **INHIBITION OF UNDESIRED SENSORY EFFECTS BY THE COMPOUND CAMPHOR**
[54] **INHIBITION D'EFFETS SENSORIELS INDESIRABLES PAR LE COMPOSE CAMPHRE**
[72] KOBAL, GERD, US
[72] GOGOVA, MARIA, US
[72] POLUR, PRASAD, US
[72] MCKINNEY, DIANA, US
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2012-09-26
[86] 2011-03-28 (PCT/IB2011/000994)
[87] (WO2011/117735)
[30] US (61/318,253) 2010-03-26

---

[11] **2,795,293**
[13] C
[51] **Int.Cl. B01D 3/06 (2006.01) C02F 1/06 (2006.01) C02F 11/04 (2006.01) C12M 1/107 (2006.01)**
[25] EN
[54] **SEPARATION METHOD**
[54] **PROCEDE DE SEPARATION**
[72] KIRCHMAYR, ROLAND, AT
[72] HARASEK, MICHAEL, AT
[72] MAIER, CHRISTIAN, AT
[72] WALTENBERGER, REINHOLD, AT
[73] HARASEK, MICHAEL, AT
[73] KIRCHMAYR, ROLAND, AT
[85] 2012-10-23
[86] 2011-02-25 (PCT/AT2011/000093)
[87] (WO2011/137466)
[30] AT (A 751/2010) 2010-05-03

---

[11] **2,795,395**
[13] C
[51] **Int.Cl. C01B 33/02 (2006.01) C30B 13/08 (2006.01) C30B 29/06 (2006.01) C30B 35/00 (2006.01) G01B 17/02 (2006.01)**
[25] EN
[54] **PRODUCTION OF MONOCRYSTALLINE SEMICONDUCTOR MATERIALS**
[54] **FABRICATION DE MATERIAUX SEMI-CONDUCTEURS MONOCRISTALLINS**
[72] KERAT, UWE, DE
[72] SCHMID, CHRISTIAN, DE
[72] HAHN, JOCHEM, DE
[73] SCHMID SILICON TECHNOLOGY GMBH, DE
[85] 2012-10-02
[86] 2011-04-11 (PCT/EP2011/055626)
[87] (WO2011/128292)
[30] DE (102010015354.0) 2010-04-13
[30] DE (102010021004.8) 2010-05-14

[11] **2,795,801**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/19 (2006.01) A61K 9/20 (2006.01) A61K 31/565 (2006.01) A61K 31/57 (2006.01) A61P 15/12 (2006.01)**
[25] EN
[54] **VERY LOW-DOSED SOLID ORAL DOSAGE FORMS FOR HRT**
[54] **FORMES PHARMACEUTIQUES ORALES SOLIDES A TRES FAIBLE DOSE POUR HRT**
[72] MLETZKO, STEPHAN, DE
[72] SCHUERMANN, ROLF, DE
[72] GUDE, KERSTIN, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
[85] 2012-10-09
[86] 2011-04-12 (PCT/EP2011/055716)
[87] (WO2011/128336)
[30] EP (10160072.4) 2010-04-15

---

[11] **2,795,899**
[13] C
[51] **Int.Cl. A61K 8/25 (2006.01) A61K 8/898 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **HIGH SOLVENT CONTENT EMULSIONS**
[54] **EMULSIONS A TENEUR ELEVEE EN SOLVANT**
[72] ZHANG, QIQING, CN
[72] KHOSHDEL, EZAT, GB
[72] MOADDEL, TEANOOSH, US
[72] DOBKOWSKI, BRIAN JOHN, US
[72] ZHOU, WEIZHENG, CN
[72] YUAN, SU, CN
[73] UNILEVER PLC, GB
[85] 2012-10-05
[86] 2011-05-06 (PCT/EP2011/057333)
[87] (WO2011/138445)
[30] CN (PCT/CN2010/000639) 2010-05-07

---

[11] **2,796,026**
[13] C
[51] **Int.Cl. D06F 39/02 (2006.01) A47L 15/44 (2006.01)**
[25] EN
[54] **GRADUAL-RELEASE DOSING DEVICE AND SEAL OF A DOMESTIC-USE APPARATUS**
[54] **DISPOSITIF DE DOSAGE A LIBERATION GRADUELLE ET JOINT D'APPAREIL A USAGE DOMESTIQUE**
[72] BARATTA, CARLA, IT
[72] DELLA NEGRA, FEDERICO, IT
[72] MARETTO, STEFANO, IT
[72] OLIVA, LILIANA, IT
[72] RIERA, MONTSERRAT, IT
[72] TOMASULO, ANTONIETTA, IT
[73] RECKITT BENCKISER CALGON B.V., NL
[85] 2012-10-10
[86] 2011-04-11 (PCT/GB2011/050710)
[87] (WO2011/128672)
[30] GB (1005963.2) 2010-04-12

---

[11] **2,796,476**
[13] C
[51] **Int.Cl. E05B 1/00 (2006.01) A61L 2/10 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **DOOR HANDLE**
[54] **POIGNEE DE PORTE**
[72] ROBERTS, MATTHEW GEOFFREY, GB
[72] MEEKS, ALAN MICHAEL GEORGE, GB
[73] PURE HOLD LIMITED, GB
[85] 2012-10-16
[86] 2011-04-15 (PCT/GB2011/000590)
[87] (WO2011/128652)
[30] GB (1006366.7) 2010-04-16

---

[11] **2,797,287**
[13] C
[51] **Int.Cl. B64C 11/44 (2006.01)**
[25] FR
[54] **ACTUATION OF THE BLADES OF AN UNSTREAMLINED AIR BLOWER**
[54] **ACTIONNEMENT DES PALES D'UNE SOUFFLANTE NON CARENEE**
[72] DE WERGIFOSSE, ERIC, FR
[73] LABINAL POWER SYSTEMS, FR
[85] 2012-10-23
[86] 2011-04-20 (PCT/FR2011/050917)
[87] (WO2011/135236)
[30] FR (1053350) 2010-04-30

---

[11] **2,797,754**
[13] C
[51] **Int.Cl. H05B 33/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ADJUSTING LIGHT OUTPUT RANGE OF SOLID STATE LIGHTING LOAD BASED ON MAXIMUM AND MINIMUM DIMMER SETTINGS**
[54] **PROCEDE ET APPAREIL POUR REGLER UNE PLAGE DE RENDEMENT LUMINEUX DE CHARGE D'ECLAIRAGE A SEMI-CONDUCTEUR EN FONCTION DE REGLAGES MAXIMUM ET MINIMUM DE GRADATEUR**
[72] DATTA, MICHAEL, US
[73] PHILIPS LIGHTING HOLDING B.V., NL
[85] 2012-10-26
[86] 2011-04-22 (PCT/IB2011/051773)
[87] (WO2011/135504)
[30] US (61/328,247) 2010-04-27

---

[11] **2,798,111**
[13] C
[51] **Int.Cl. B29C 45/50 (2006.01) B29C 45/76 (2006.01) F15B 15/08 (2006.01) F15B 21/14 (2006.01) F15B 15/20 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A HYBRID DRIVE AND HYBRID DRIVE**
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN ENTRAINEMENT HYBRIDE ET ENTRAINEMENT HYBRIDE**
[72] NOTZ, MARKUS, CH
[72] LANKER, MARKUS, CH
[73] NETSTAL-MASCHINEN AG, CH
[85] 2012-11-01
[86] 2011-05-09 (PCT/EP2011/057420)
[87] (WO2011/141423)
[30] DE (10 2010 020 573.7) 2010-05-14

[11] **2,798,332**
[13] C
[51] **Int.Cl. F01N 3/28 (2006.01) F01N 3/08 (2006.01)**
[25] EN
[54] **INTEGRATED SCR AND AMOX CATALYST SYSTEMS**
[54] **SYSTEMES CATALYTIQUES SCR ET AMOX INTEGRES**
[72] BOORSE, SAMUEL R., US
[72] CAUDLE, MATTHEW T., US
[72] DIETERLE, MARTIN, US
[72] KUMAR, SANATH V., US
[72] VOSS, KENNETH E., US
[73] BASF CORPORATION, US
[85] 2012-11-02
[86] 2011-05-04 (PCT/US2011/035234)
[87] (WO2011/140251)
[30] US (12/774,469) 2010-05-05

---

[11] **2,798,709**
[13] C
[51] **Int.Cl. A61B 17/115 (2006.01) A61B 17/00 (2006.01) A61B 17/072 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR DELIVERING TISSUE TREATMENT COMPOSITIONS TO STAPLED TISSUE**
[54] **PROCEDES ET APPAREIL POUR ADMINISTRER DES COMPOSITIONS DE TRAITEMENT TISSULAIRE A UN TISSU AGRAFE**
[72] HULL, JOANNE, US
[72] HABERSTICH, WELLS D., US
[72] HALL, STEVEN G., US
[72] HIBNER, JOHN A., US
[72] CARTER, YOLANDA F., US
[72] HWANG, JULIA J., US
[72] SHELTON, FREDERICK E., IV, US
[72] SCHULTE, JOHN B., US
[72] MOLLERE, REBECCA J., US
[72] DUGAN, PATRICK D., US
[72] CRONIN, MICHAEL D., US
[72] MORGAN, JEROME R., US
[73] ETHICON ENDO-SURGERY, INC., US
[85] 2012-11-06
[86] 2011-05-10 (PCT/US2011/035878)
[87] (WO2011/143184)
[30] US (12/777,449) 2010-05-11

---

[11] **2,798,908**
[13] C
[51] **Int.Cl. B62B 3/00 (2006.01)**
[25] EN
[54] **STORAGE TROLLEY BODY FOR AIRCRAFT**
[54] **CHARIOT POUR AVION**
[72] HERNANZ ARBELOA, ANGEL MARIA, ES
[72] FREIRE DE LA CRUZ, JOSE ANTONIO, ES
[73] INDUSTRIAL NEO TEX, S.A., ES
[73] HERNANZ ARBELOA, ANGEL MARIA, ES
[73] FREIRE DE LA CRUZ, JOSE ANTONIO, ES
[85] 2012-11-08
[86] 2011-05-12 (PCT/EP2011/057683)
[87] (WO2011/141539)
[30] EP (10382120.3) 2010-05-13

---

[11] **2,798,909**
[13] C
[51] **Int.Cl. A61M 5/00 (2006.01) B65D 71/70 (2006.01) B65B 3/00 (2006.01)**
[25] EN
[54] **WORKPIECE CARRIER FOR TRANSPORTING AND/OR STORING COMPONENTS OF DRUG DELIVERY DEVICES**
[54] **SUPPORT DE PIECE A USINER POUR LE TRANSPORT ET/OU LE STOCKAGE DE COMPOSANTS DE DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT**
[72] JOSEF, CLEMENS, DE
[72] SIMON, CHRISTIAN, DE
[72] BODE, ANDREAS, DE
[72] POMMEREAU, CHRISTIAN, DE
[73] SANOFI-AVENTIS DEUTSCHLAND GMBH, DE
[85] 2012-11-08
[86] 2011-05-12 (PCT/EP2011/057698)
[87] (WO2011/141549)
[30] EP (10162618.2) 2010-05-12

---

[11] **2,799,228**
[13] C
[51] **Int.Cl. C08F 10/00 (2006.01) C08F 2/00 (2006.01)**
[25] EN
[54] **CONTINUOUS TAKE OFF TECHNIQUE AND PRESSURE CONTROL OF POLYMERIZATION REACTORS**
[54] **TECHNIQUE DE PRELEVEMENT EN CONTINU ET CONTROLE DE LA PRESSION DE REACTEURS DE POLYMERISATION**
[72] HOTTOVY, JOHN D., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2012-11-09
[86] 2011-05-13 (PCT/US2011/036434)
[87] (WO2011/146334)
[30] US (12/785,333) 2010-05-21

---

[11] **2,800,094**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/485 (2006.01) A61K 31/55 (2006.01)**
[25] EN
[54] **LIQUID NASAL SPRAY CONTAINING LOW-DOSE NALTREXONE**
[54] **SPRAY NASAL LIQUIDE CONTENANT DU NALTREXONE A FAIBLE DOSE**
[72] ANGELI, ROBERTO, IT
[72] RAFFAELI, WILLIAM, IT
[72] RIGAMONTI, MARIA ADELE, IT
[73] L. MOLTENI & C. DEI FRATELLI ALITTI SOCIETA DI ESERCIZIO S.P.A., IT
[85] 2012-11-21
[86] 2011-05-20 (PCT/EP2011/058284)
[87] (WO2011/144746)
[30] IT (FI2010A000113) 2010-05-21

[11] **2,800,573**
[13] C
[51] **Int.Cl. C09K 5/04 (2006.01) C07C 19/08 (2006.01)**
[25] EN
[54] **AZEOTROPE-LIKE COMPOSITIONS OF TETRAFLUOROPROPENE AND WATER**
[54] **COMPOSITIONS DE TYPE AZEOTROPE DE TETRAFLUOROPROPENE ET D'EAU**
[72] HULSE, RYAN, US
[72] KOPKALLI, HALUK, US
[72] PHAM, HANG T., US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2012-11-06
[86] 2011-05-02 (PCT/US2011/034763)
[87] (WO2011/139956)
[30] US (61/331,980) 2010-05-06
[30] US (13/082,980) 2011-04-08

---

[11] **2,801,021**
[13] C
[51] **Int.Cl. C08L 95/00 (2006.01) C08L 23/00 (2006.01) C08L 91/00 (2006.01) E01C 7/18 (2006.01) E04D 1/22 (2006.01)**
[25] EN
[54] **BIO-OIL FORMULATION AS AN ASPHALT SUBSTITUTE**
[54] **FORMULATION DE BIO-HUILE EN TANT QUE SUBSTITUT D'ASPHALTE**
[72] WILLIAMS, RONALD CHRISTOPHER, US
[72] MOHAMED METWALLY, MOHAMED ABDEL RAOUF, US
[72] BROWN, ROBERT C., US
[73] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[85] 2012-11-28
[86] 2011-05-31 (PCT/US2011/038577)
[87] (WO2011/153152)
[30] US (61/350,199) 2010-06-01

---

[11] **2,801,294**
[13] C
[51] **Int.Cl. G01V 1/38 (2006.01) G01V 1/16 (2006.01)**
[25] EN
[54] **METHOD OF DEPLOYMENT, METHOD AND DEVICE FOR SEISMIC PROSPECTING IN AN AQUATIC MEDIUM**
[54] **PROCEDE DE DEPLOIEMENT, PROCEDE ET DISPOSITIF DE PROSPECTION SISMIQUE EN MILIEU AQUATIQUE**
[72] MANIN, MICHEL, FR
[73] KIETTA, FR
[85] 2012-11-30
[86] 2011-06-10 (PCT/EP2011/059747)
[87] (WO2011/154545)
[30] FR (1054616) 2010-06-10

---

[11] **2,801,617**
[13] C
[51] **Int.Cl. C09C 1/44 (2006.01) C08J 5/06 (2006.01) C08K 9/04 (2006.01) C09C 3/10 (2006.01)**
[25] EN
[54] **MODIFIED CARBON NANOTUBES AND THEIR COMPATIBILITY**
[54] **NANOTUBES DE CARBONE MODIFIES ET LEUR COMPATIBILITE**
[72] GUAN, JINGWEN, CA
[72] FRASER, ROBIN, CA
[72] SIMARD, BENOIT, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2012-12-05
[86] 2011-06-10 (PCT/CA2011/000683)
[87] (WO2011/153629)
[30] US (61/353,737) 2010-06-11

---

[11] **2,801,793**
[13] C
[51] **Int.Cl. C23C 14/00 (2006.01) B01J 37/02 (2006.01) C23C 14/02 (2006.01) C23C 14/08 (2006.01) C23C 14/16 (2006.01) C23C 14/32 (2006.01) C25B 11/04 (2006.01)**
[25] EN
[54] **SUBSTRATE COATING ON ONE OR MORE SIDES**
[54] **REVETEMENT DE SUBSTRAT SUR UNE OU PLUSIEURS FACES**
[72] DULLE, KARL-HEINZ, DE
[72] FUNCK, FRANK, DE
[72] HOORMANN, DIRK, DE
[72] OELMANN, STEFAN, DE
[72] WOLTERING, PETER, DE
[72] SCHMITT, CARSTEN, DE
[72] HOFMANN, PHILIPP, DE
[72] BAUMER, ULF-STEFFEN, DE
[73] THYSSENKRUPP UHDE GMBH, DE
[85] 2012-12-06
[86] 2011-05-23 (PCT/EP2011/002551)
[87] (WO2011/154094)
[30] DE (10 2010 023 418.4) 2010-06-11

---

[11] **2,801,955**
[13] C
[51] **Int.Cl. G07B 15/06 (2011.01) H04B 1/59 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **MULTI-PROTOCOL ELECTRONIC TOLL COLLECTION SYSTEM**
[54] **SYSTEME DE PEAGE AUTOMATIQUE ELECTRONIQUE A PROTOCOLES MULTIPLES**
[72] KOHLI, JAPJEEV, CA
[72] TURNOCK, RICHARD, CA
[73] KAPSCH TRAFFICCOM CANADA INC., CA
[85] 2012-12-07
[86] 2011-06-09 (PCT/CA2011/050351)
[87] (WO2011/156920)
[30] US (12/815,077) 2010-06-14
[30] US (13/117,682) 2011-05-27

[11] **2,802,268**
[13] C
[51] **Int.Cl. A61F 2/00 (2006.01) A61M 1/10 (2006.01) A61M 1/12 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE COMPRISING AN ARTIFICIAL CONTRACTILE STRUCTURE**
[54] **DISPOSITIF MEDICAL COMPORTANT UNE STRUCTURE CONTRACTILE ARTIFICIELLE**
[72] TOZZI, PIERGIORGIO, CH
[72] BORGHI, ENZO, IT
[72] HAYOZ, DANIEL, CH
[72] HORST, MARTIN, CH
[72] WIELAND, MARCO, CH
[73] MYOPOWERS MEDICAL TECHNOLOGIES FRANCE SAS, FR
[85] 2012-12-11
[86] 2011-07-01 (PCT/EP2011/003285)
[87] (WO2012/000680)
[30] EP (10168217.7) 2010-07-02

---

[11] **2,802,331**
[13] C
[51] **Int.Cl. H04W 84/08 (2009.01) H04B 1/707 (2011.01) H04B 1/76 (2006.01)**
[25] EN
[54] **ACCESS CHANNEL STRUCTURE FOR WIRELESS COMMUNICATION SYSTEM**
[54] **STRUCTURE DE CANAL D'ACCES POUR SYSTEME DE RADIOCOMMUNICATIONS**
[72] HOFFMANN, JOHN E., US
[72] NELSON, GEORGE RODNEY, JR., US
[72] PROCTOR, JAMES A., JR., US
[72] ROUPHAEL, ANTOINE J., US
[73] IPR LICENSING, INC., US
[86] (2802331)
[87] (2802331)
[22] 2001-02-05
[62] 2,660,923
[30] US (60/181,071) 2000-02-08
[30] US (09/766,875) 2001-01-19

---

[11] **2,802,391**
[13] C
[51] **Int.Cl. B60S 1/52 (2006.01)**
[25] FR
[54] **WINDSHIELD WIPER BLADE HAVING AN INTEGRATED SPRAYING DEVICE**
[54] **BALAI D'ESSUIE-GLACE A DISPOSITIF D'ASPERSION INTEGRE**
[72] MARQUET, CHANTAL, FR
[72] PETITTET, GILLES, FR
[73] VALEO SYSTEMES D'ESSUYAGE, FR
[85] 2012-12-11
[86] 2011-06-08 (PCT/EP2011/059451)
[87] (WO2011/160952)
[30] FR (10/02496) 2010-06-21

---

[11] **2,803,078**
[13] C
[51] **Int.Cl. E04G 21/32 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **SAFETY DEVICES COMPRISING A LOAD-BEARING COMPOSITE POLYMERIC HOUSING AND A LOAD-BEARING ANCHORAGE PLATE**
[54] **DISPOSITIFS DE SECURITE COMPRENANT UN BOITIER POLYMERE COMPOSITE DE SUPPORT DE CHARGE ET UNE PLAQUE D'ANCRAGE DE SUPPORT DE CHARGE**
[72] DIETRICH, KURT D., US
[72] GRIFFITHS, STEPHEN, GB
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2012-12-18
[86] 2011-06-02 (PCT/US2011/038897)
[87] (WO2011/162925)
[30] US (12/821,607) 2010-06-23

---

[11] **2,803,099**
[13] C
[51] **Int.Cl. H01R 13/24 (2006.01) H01R 13/187 (2006.01)**
[25] EN
[54] **HIGH-CURRENT INSERTION-CONNECTED CONNECTOR**
[54] **CONNECTEUR ENFICHABLE POUR COURANTS ELEVES**
[72] BLAKBORN, WILLEM, DE
[72] AUER, MARTIN, DE
[72] REINER, GREGOR, DE
[73] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
[85] 2012-12-18
[86] 2011-06-09 (PCT/EP2011/002856)
[87] (WO2012/013258)
[30] DE (20 2010 010 827.6) 2010-07-29

---

[11] **2,803,491**
[13] C
[51] **Int.Cl. H04L 12/26 (2006.01)**
[25] FR
[54] **DATA COLLECTION DEVICE FOR MONITORING STREAMS IN A DATA NETWORK**
[54] **DISPOSITIF DE COLLECTE DE DONNEES POUR LA SURVEILLANCE DE FLUX DANS UN RESEAU DE DONNEES**
[72] TOLLET, JEROME, FR
[72] ABELA, JEROME, FR
[73] QOSMOS TECH., FR
[85] 2012-12-20
[86] 2011-04-14 (PCT/FR2011/050867)
[87] (WO2011/161340)
[30] FR (10 55016) 2010-06-23

[11] **2,803,558**
[13] C
[51] **Int.Cl. A61K 31/202 (2006.01) A61K 9/48 (2006.01) A61K 31/22 (2006.01) A61K 31/232 (2006.01) A61K 47/04 (2006.01) A61K 47/12 (2006.01) A61P 3/06 (2006.01) A61P 7/02 (2006.01) A61P 9/10 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **.OMEGA.3 FATTY ACID COMPOUND PREPARATION**
[54] **PREPARATION A BASE DE COMPOSES D'ACIDE GRAS .OMEGA.3**
[72] FUJII, HIROSATO, JP
[72] ITO, HIROMITSU, JP
[72] YAMAGATA, MOTOO, JP
[73] MOCHIDA PHARMACEUTICAL CO., LTD., JP
[85] 2012-12-20
[86] 2011-06-29 (PCT/JP2011/064976)
[87] (WO2012/002464)
[30] JP (2010-150611) 2010-06-30

---

[11] **2,803,643**
[13] C
[51] **Int.Cl. A63C 19/04 (2006.01) E01C 13/10 (2006.01)**
[25] EN
[54] **PADDING LAYER FOR MULTI-LAYERED SPORTS PLAYING FIELD**
[54] **COUCHE DE CAPITONNAGE POUR TERRAINS DE SPORT MULTICOUCHES**
[72] VACHON, FREDERIC, CA
[73] 4427017 CANADA INC., CA
[85] 2012-12-21
[86] 2011-06-30 (PCT/CA2011/000771)
[87] (WO2012/000099)
[30] US (61/359,918) 2010-06-30

---

[11] **2,803,716**
[13] C
[51] **Int.Cl. C02F 3/08 (2006.01) B01D 33/11 (2006.01) C02F 3/00 (2006.01)**
[25] EN
[54] **DEVICE FOR TREATING WATER COMPRISING A SOLID FILTER DRUM**
[54] **DISPOSITIF DE TRAITEMENT D'EAU COMPRENANT UN TAMBOUR FILTRANT PLEIN**
[72] SCHMITT, THOMAS, FR
[72] HERTFELDER, NIKOLAI, DE
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
[85] 2012-12-21
[86] 2011-06-30 (PCT/EP2011/061079)
[87] (WO2012/001136)
[30] FR (1055348) 2010-07-02

---

[11] **2,804,323**
[13] C
[51] **Int.Cl. B65G 47/256 (2006.01) B65G 21/20 (2006.01) B65G 35/00 (2006.01) B67B 3/064 (2006.01)**
[25] FR
[54] **DEVICE FOR PREPARING SEALING ELEMENTS**
[54] **DISPOSITIF DE PREPARATION D'ELEMENTS DE BOUCHAGE**
[72] LOPEZ, REMY, FR
[72] PETROVIC, ZMAJ, FR
[72] LAMOLY, DAVID, FR
[73] GEBO PACKAGING SOLUTIONS FRANCE, FR
[85] 2012-12-18
[86] 2011-05-11 (PCT/FR2011/051054)
[87] (WO2012/001251)
[30] FR (10 55200) 2010-06-29

---

[11] **2,804,455**
[13] C
[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **MOBILE DIRECTORY NUMBER AND EMAIL VERIFICATION OF FINANCIAL TRANSACTIONS**
[54] **VERIFICATION PAR NUMERO D'APPEL MOBILE ET COURRIER ELECTRONIQUE DE TRANSACTIONS FINANCIERES**
[72] SNYDER, RANDALL A., US
[72] BUHRMANN, MICHAEL F., US
[72] GINTER, THOMAS S., US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2013-01-04
[86] 2010-07-07 (PCT/US2010/041264)
[87] (WO2011/005900)
[30] US (61/223,671) 2009-07-07
[30] US (61/223,677) 2009-07-07

---

[11] **2,804,660**
[13] C
[51] **Int.Cl. A47J 27/10 (2006.01) A47J 27/12 (2006.01) A47J 27/16 (2006.01) A47J 36/02 (2006.01) A47J 36/06 (2006.01) A47J 36/34 (2006.01)**
[25] EN
[54] **QUICK ATTACHING CHAFING DISH HANDLE CONFIGURED FOR SAFE CHAFING DISH PLACEMENT AND REMOVAL AND FOR NESTING CHAFING DISH STORAGE**
[54] **POIGNEE DE POELON A FIXATION RAPIDE POUR DISPOSITION ET RETRAIT SUR UN POELON ET POUR STOCKAGE DE POELONS EMBOITES**
[72] LEONARD, LOIS, US
[72] LEONARD, JOSEPH L., US
[73] GET-A-GRIP CHAFING PANS, LLC, US
[85] 2013-01-07
[86] 2011-07-05 (PCT/US2011/042927)
[87] (WO2012/006267)
[30] US (61/361,478) 2010-07-05

[11] **2,804,876**
[13] C
[51] **Int.Cl. F17C 1/16 (2006.01) F17C 13/06 (2006.01)**
[25] EN
[54] **PRESSURE VESSEL FOR STORING A FLUID**
[54] **RECIPIENT SOUS PRESSION POUR LE STOCKAGE D'UN FLUIDE**
[72] KLESCHINSKI, MICHAEL, DE
[72] MULLER, DIETMAR, DE
[73] HEXAGON TECHNOLOGY AS, NO
[85] 2012-12-13
[86] 2011-06-17 (PCT/DE2011/075135)
[87] (WO2012/022321)
[30] DE (10 2010 017 413.0) 2010-06-17

---

[11] **2,805,109**
[13] C
[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **ASSEMBLIES FOR ALIGNING A BONE FIXATION PLATE**
[54] **ENSEMBLE D'ALIGNEMENT D'UNE PLAQUE DE FIXATION OSSEUSE**
[72] CONLEY, JORDAN, US
[72] GALM, ANDRE, CH
[72] JAEGGI, FABIAN, CH
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2013-01-10
[86] 2011-07-14 (PCT/US2011/043968)
[87] (WO2012/009511)
[30] US (61/364,232) 2010-07-14

---

[11] **2,806,039**
[13] C
[51] **Int.Cl. F04D 29/04 (2006.01) F04D 7/04 (2006.01) F04D 29/62 (2006.01)**
[25] EN
[54] **PUMP DESIGNED FOR INSTALLATION CONVERSION**
[54] **POMPE CONCUE POUR CONVERTIR UNE INSTALLATION**
[72] DAVIS, MARK ALAN, US
[72] FALKIEWICZ, TIMOTHY MARTIN, US
[72] PLAYFORD, MARK ALEXANDER, US
[73] ITT MANUFACTURING ENTERPRISES LLC, US
[85] 2013-01-18
[86] 2011-07-21 (PCT/US2011/044796)
[87] (WO2012/012604)
[30] US (61/366,309) 2010-07-21

---

[11] **2,806,816**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTION OF ISCHEMIC STROKES**
[54] **PROCEDE DE DETECTION D'ACCIDENTS ISCHEMIQUES**
[72] CURDT, INGO, DE
[72] BLINCKO, STUART, DE
[72] DHEIN, JENS, DE
[72] DEVANARAYAN, VISWANATH, US
[72] MONTANER VILLALONGA, JOAN, ES
[73] ABBOTT GMBH & CO. KG, DE
[73] FUNDACIO HOSPITAL UNIVERSITARI VALL D'HEBRON - INSTITUT DE RECERCA (HUVH IR), ES
[85] 2013-01-28
[86] 2011-07-28 (PCT/EP2011/063049)
[87] (WO2012/013758)
[30] EP (10007854.2) 2010-07-28

---

[11] **2,806,845**
[13] C
[51] **Int.Cl. A61C 5/62 (2017.01)**
[25] EN
[54] **MIXING TIP FOR DENTAL MATERIALS**
[54] **EMBOUT MELANGEUR POUR PRODUITS DENTAIRES**
[72] PIERSON, PAUL R., US
[73] DENTSPLY INTERNATIONAL INC., US
[85] 2013-01-28
[86] 2010-09-30 (PCT/US2010/050839)
[87] (WO2012/044298)
[30] US (12/586,974) 2010-09-30

---

[11] **2,807,308**
[13] C
[51] **Int.Cl. A21C 9/08 (2006.01)**
[25] EN
[54] **DOUGH PRODUCT ALIGNING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ALIGNEMENT DE PRODUIT DE PATE**
[72] MORRIS, NIGEL JUSTIN, NL
[72] VERMEULEN, JAN, NL
[73] KAAK, JOHAN HENDRIK BERNARD, NL
[85] 2013-02-01
[86] 2012-01-27 (PCT/NL2012/050045)
[87] (WO2012/102615)
[30] NL (2006080) 2011-01-27

---

[11] **2,807,621**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **PHOSPHATE BINDER FORMULATION FOR SIMPLE DOSING**
[54] **FORMULATION CONTENANT DES AGENTS D'AGGLUTINATION DU PHOSPHATE PERMETTANT UNE MEILLEURE ADMINISTRATION**
[72] STROTHMANN, KAI, DE
[72] SCHULZE, FRIEDRICH, DE
[72] BARTHOLOMAEUS, JOHANNES, DE
[72] FRIES-SCHAFFNER, EVA, DE
[72] OPPERMANN, ASTRID, DE
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2013-02-06
[86] 2011-10-11 (PCT/EP2011/005069)
[87] (WO2012/048846)
[30] EP (10013578.9) 2010-10-13

---

[11] **2,808,063**
[13] C
[51] **Int.Cl. H04W 24/00 (2009.01) H04B 7/0413 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION ET DE RECEPTION D'UN SIGNAL DE REFERENCE DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] KIM, SUNG TAE, KR
[72] KIM, YOUN SUN, KR
[72] HAN, JIN-KYU, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-02-11
[86] 2011-08-11 (PCT/KR2011/005906)
[87] (WO2012/021008)
[30] KR (10-2010-0078232) 2010-08-13

[11] **2,808,073**
[13] C
[51] **Int.Cl. A23B 7/14 (2006.01) B65B 55/00 (2006.01) A01N 35/02 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING POTATO PATHOGENS**
[54] **COMPOSITIONS ET PROCEDES POUR INHIBER LES PATHOGENES DE LA POMME DE TERRE**
[72] WHARTON, PHILLIP, US
[73] UNIVERSITY OF IDAHO, US
[85] 2013-02-11
[86] 2011-08-15 (PCT/US2011/047811)
[87] (WO2012/024244)
[30] US (61/373,829) 2010-08-14

---

[11] ***2,808,239**
[13] C
[51] **Int.Cl. H04L 12/24 (2006.01)**
[25] EN
[54] **DETERMINING EQUIVALENT SUBSETS OF AGENTS TO GATHER INFORMATION FOR A FABRIC**
[54] **DETERMINATION DE SOUS-ENSEMBLES EQUIVALENTS D'AGENTS POUR COLLECTER DES INFORMATIONS POUR UNE MATRICE DE COMMUTATION**
[72] BHARADWAJ, SUNIL, US
[72] MERBACH, DAVID LYNN, US
[72] TUMINARO, WILLIAM, US
[72] WEBSTER, KEVIN JOSEPH, US
[72] BYRD, STEPHEN, US
[72] ZHOU, LI, US
[72] PADBIDRI, SUMANT, US
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2013-02-13
[86] 2011-08-16 (PCT/EP2011/064113)
[87] (WO2012/022754)
[30] US (12/860,374) 2010-08-20

---

[11] **2,808,642**
[13] C
[51] **Int.Cl. G06F 13/38 (2006.01) H04W 84/18 (2009.01) G06F 17/24 (2006.01) H04L 29/02 (2006.01)**
[25] EN
[54] **OBJECT MEDIATED DATA TRANSFER BETWEEN ELECTRONIC DEVICES**
[54] **TRANSFERT DE DONNEES ENTRE DISPOSITIFS ELECTRONIQUES AU MOYEN D'UN OBJET**
[72] PASCHKE, BRIAN DENNIS, CA
[72] SZYMANSKI, AARON MICHAEL, CA
[73] BLACKBERRY LIMITED, CA
[86] (2808642)
[87] (2808642)
[22] 2013-03-08
[30] EP (12158655.6) 2012-03-08

---

[11] **2,809,073**
[13] C
[51] **Int.Cl. B81C 1/00 (2006.01)**
[25] EN
[54] **ANTI-STICTION METHOD IN AN INERTIAL MEMS, CORRESPONDING COMPUTER PROGRAM PRODUCT, STORAGE MEANS AND DEVICE**
[54] **PROCEDE ANTI-FROTTEMENT STATIQUE DANS UN MEMS INERTIEL, PROGICIEL INFORMATIQUE, MOYEN DE STOCKAGE ET DISPOSITIF APPARENTES**
[72] MOREAU, MAURICE, FR
[73] SERCEL, FR
[85] 2013-02-21
[86] 2011-10-06 (PCT/EP2011/067498)
[87] (WO2012/045835)
[30] EP (10186715.8) 2010-10-06

---

[11] **2,809,510**
[13] C
[51] **Int.Cl. A61M 5/32 (2006.01) A61B 5/153 (2006.01)**
[25] EN
[54] **NON-REUSABLE COLLECTION DEVICE FOR BODILY FLUIDS**
[54] **DISPOSITIF DE PRELEVEMENT NON REUTILISABLE DE LIQUIDES ORGANIQUES**
[72] SHAW, THOMAS J., US
[72] ZHU, NI, US
[72] SMALL, MARK, US
[73] RETRACTABLE TECHNOLOGIES, INC., US
[73] SHAW, THOMAS J., US
[85] 2013-01-22
[86] 2011-07-20 (PCT/US2011/044668)
[87] (WO2012/015644)
[30] US (12/846,402) 2010-07-29

---

[11] **2,810,021**
[13] C
[51] **Int.Cl. A61K 31/69 (2006.01) A61P 31/04 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **BORON-CONTAINING SMALL MOLECULES**
[54] **PETITES MOLECULES CONTENANT DU BORE**
[72] HERNANDEZ, VINCENT S., US
[72] DING, CHARLES, US
[72] PLATTNER, JACOB J., US
[72] ALLEY, MICHAEL RICHARD KEVIN, US
[72] ROCK, FERNANDO, US
[72] ZHANG, SUOMING, US
[72] EASOM, ERIC, US
[72] LI, XIANFENG, US
[72] ZHOU, DING, CN
[73] ANACOR PHARMACEUTICALS, INC., US
[85] 2013-02-28
[86] 2011-09-07 (PCT/US2011/050728)
[87] (WO2012/033858)
[30] US (61/380,596) 2010-09-07

[11] **2,811,140**
[13] C
[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **METHOD FOR MEASURING FIBROBLAST GROWTH FACTOR-23 AND REAGENT THEREFOR**
[54] **PROCEDE DE DOSAGE DU FACTEUR DE CROISSANCE FIBROBLASTIQUE-23 ET REACTIF DE DOSAGE**
[72] UZAWA, KOJI, JP
[72] SUZUKI, EMIKO, JP
[72] IKEDA, KAZUYUKI, JP
[72] MORITA, KAZUKI, JP
[73] KYOWA MEDEX CO., LTD., JP
[85] 2013-02-22
[86] 2011-08-31 (PCT/JP2011/069734)
[87] (WO2012/029837)
[30] JP (2010-193213) 2010-08-31

---

[11] **2,811,178**
[13] C
[51] **Int.Cl. A61H 39/04 (2006.01)**
[25] EN
[54] **FINGER-PRESSURE TOOL FOR FACE**
[54] **OUTIL A PRESSION AU DOIGT POUR LE VISAGE**
[72] TARUMI YOSHIKO, JP
[73] SEILIN & CO., JP
[85] 2013-03-12
[86] 2010-11-29 (PCT/JP2010/071209)
[87] (WO2012/056594)
[30] JP (2010-238437) 2010-10-25

---

[11] **2,811,286**
[13] C
[51] **Int.Cl. F01D 21/04 (2006.01)**
[25] FR
[54] **GAS TURBINE ENGINE COMPRISING MEANS FOR AXIALLY RETAINING A FAN OF THE ENGINE**
[54] **MOTEUR A TURBINE A GAZ COMPRENANT DES MOYENS DE RETENTION AXIALE D'UNE SOUFFLANTE DUDIT MOTEUR**
[72] GEREZ, VALERIO, FR
[72] BALK, WOUTER, FR
[72] JADCZAK, EDOUARD JOSEPH, FR
[73] SNECMA, FR
[85] 2013-03-13
[86] 2011-09-27 (PCT/FR2011/052242)
[87] (WO2012/042161)
[30] FR (1057814) 2010-09-28

---

[11] **2,811,291**
[13] C
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 13/00 (2006.01) A61P 13/12 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **TREATMENT OF CHRONIC NEPHROPATHIES USING SOLUBLE COMPLEMENT RECEPTOR TYPE I (SCR1)**
[54] **TRAITEMENT DE NEPHROPATHIES CHRONIQUES AU MOYEN DU RECEPTEUR DU COMPLEMENT SOLUBLE DE TYPE I (SCR1)**
[72] SMITH, RICHARD J.H., US
[72] ZHANG, YUZHOU, US
[72] MARSH, HENRY C., US
[73] CELLDEX THERAPEUTICS, INC., US
[73] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[85] 2013-03-13
[86] 2011-09-15 (PCT/US2011/051792)
[87] (WO2012/037370)
[30] US (61/383,004) 2010-09-15

---

[11] **2,811,327**
[13] C
[51] **Int.Cl. A61F 2/44 (2006.01) A61F 2/00 (2006.01) A61F 2/30 (2006.01) A61F 2/40 (2006.01) A61F 2/42 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **DEVICE FOR REPAIRING A HUMAN OR ANIMAL JOINT**
[54] **DISPOSITIF DESTINE A REPARER UNE ARTICULATION HUMAINE OU ANIMALE**
[72] MAYER, JORG, CH
[72] AESCHLIMANN, MARCEL, CH
[72] LEHMANN, MARIO, CH
[72] WENGER, ANDREAS, CH
[72] GOEBEL-MEHL, STEPHANIE, CH
[73] SPINEWELDING AG, CH
[85] 2013-03-14
[86] 2011-09-20 (PCT/CH2011/000221)
[87] (WO2012/037698)
[30] US (61/384,922) 2010-09-21

---

[11] **2,811,927**
[13] C
[51] **Int.Cl. B63B 35/44 (2006.01) B63B 9/06 (2006.01) B63B 21/50 (2006.01)**
[25] EN
[54] **ARTICULATED MULTIPLE BUOY MARINE PLATFORM APPARATUS AND METHOD OF INSTALLATION**
[54] **APPAREIL DE PLATE-FORME MARINE ARTICULEE A FLOTTEURS MULTIPLES ET PROCEDE D'INSTALLATION**
[72] KHACHATURIAN, JON E., US
[73] VERSABAR, INC., US
[85] 2013-03-20
[86] 2011-09-22 (PCT/US2011/052745)
[87] (WO2012/040451)
[30] US (61/385,408) 2010-09-22

---

[11] **2,812,072**
[13] C
[51] **Int.Cl. F16B 31/02 (2006.01) F16B 41/00 (2006.01)**
[25] EN
[54] **SECURITY BOLT**
[54] **BOULON DE SECURITE**
[72] ANDRADE DE SOUZA, WOLNEY, BR
[72] DE OLIVEIRA SOUZA, RICARDO, BR
[72] DALCENT CRIVELARO, ALEXANDRINO, BR
[73] ELC PRODUTOS DE SEGURANCA INDUSTRIA E COMERCIO LTDA., BR
[85] 2013-03-12
[86] 2011-09-22 (PCT/BR2011/000340)
[87] (WO2012/040800)
[30] BR (PI1003609-1) 2010-09-27

[11] **2,812,225**
[13] C
[51] **Int.Cl. B01D 61/58 (2006.01)**
[25] EN
[54] **MEMBRANE FILTRATION PROCESS WITH RETENTATE RECOVERY AND CARBON DIOXIDE INJECTION**
[54] **PROCEDE DE FILTRATION PAR MEMBRANE A RECUPERATION DE RETENTAT ET INJECTION DE DIOXYDE DE CARBONE**
[72] WANG, SIJING, CN
[72] ZHU, YANRONG, CN
[72] HE, GAORONG, CN
[73] GENERAL ELECTRIC COMPANY, US
[85] 2013-03-21
[86] 2010-09-30 (PCT/CN2010/001534)
[87] (WO2012/040880)

---

[11] **2,812,784**
[13] C
[51] **Int.Cl. B05B 1/18 (2006.01) E03C 1/02 (2006.01)**
[25] EN
[54] **SHOWERHEAD WITH MULTI-DIMENSIONAL FLUID DISPENSERS**
[54] **POMME DE DOUCHE COMPRENANT DES DISTRIBUTEURS DE FLUIDE MULTIDIMENSIONNELS**
[72] SPANGER, ANTHONY, US
[72] PATTON, PAUL, US
[72] MARTY, GARRY R., US
[72] JOHNSON, BRIAN, US
[73] DELTA FAUCET COMPANY, US
[85] 2013-03-26
[86] 2011-09-28 (PCT/US2011/053699)
[87] (WO2012/050894)
[30] US (61/387,399) 2010-09-28

---

[11] **2,813,046**
[13] C
[51] **Int.Cl. F03D 7/04 (2006.01) F03D 9/25 (2016.01) F03D 7/02 (2006.01) H02H 9/00 (2006.01) H02J 3/18 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **WIND FARM AND METHOD FOR OPERATING A WIND FARM**
[54] **PARC EOLIEN ET PROCEDE D'EXPLOITATION D'UN PARC EOLIEN**
[72] BLUHM, ROMAN, DE
[72] FORTMANN, JENS, DE
[73] SENVION SE, DE
[85] 2013-03-21
[86] 2011-12-23 (PCT/EP2011/074028)
[87] (WO2012/089699)
[30] DE (10 2010 056 457.5) 2010-12-29

---

[11] **2,813,737**
[13] C
[51] **Int.Cl. H04N 21/436 (2011.01) H04N 21/254 (2011.01) H04N 21/4627 (2011.01) G06F 21/10 (2013.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR ENFORCING CONTENT PROTECTION RULES DURING DATA TRANSFER BETWEEN DEVICES**
[54] **APPAREIL ET PROCEDES DE MISE EN VIGUEUR DE REGLES DE PROTECTION DE CONTENU DURANT UN TRANSFERT DE DONNEES ENTRE DES DISPOSITIFS**
[72] CHOLAS, CHRIS, US
[73] TIME WARNER CABLE ENTERPRISES LLC, US
[85] 2013-04-04
[86] 2011-10-04 (PCT/US2011/054797)
[87] (WO2012/047912)
[30] US (12/901,417) 2010-10-08

---

[11] **2,814,417**
[13] C
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/14 (2006.01) F04B 43/12 (2006.01) F04B 43/14 (2006.01) A61M 5/168 (2006.01) A61M 39/24 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **PUMP MODULE, BASE PUMP MODULE AND PUMP SYSTEM**
[54] **MODULE DE POMPE, MODULE DE BASE DE POMPE ET SYSTEME DE POMPE**
[72] BECKER, MICHAEL, DE
[73] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2013-04-11
[86] 2011-10-13 (PCT/EP2011/067917)
[87] (WO2012/049263)
[30] US (61/392,494) 2010-10-13
[30] EP (10187380.0) 2010-10-13
[30] US (61/392,492) 2010-10-13
[30] EP (10187378.4) 2010-10-13
[30] US (61/392,490) 2010-10-13
[30] EP (10187377.6) 2010-10-13
[30] US (61/392,495) 2010-10-13
[30] EP (10187381.8) 2010-10-13

---

[11] **2,814,963**
[13] C
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **UNIFIED POLICY OVER HETEROGENOUS DEVICE TYPES**
[54] **REGLE UNIFIEE SUR DES TYPES DE DISPOSITIFS HETEROGENES**
[72] NUKALA, CHANDRASEKHAR, US
[72] CALLAGHAN, DAVID MICHAEL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2013-04-16
[86] 2011-10-24 (PCT/US2011/057520)
[87] (WO2012/058166)
[30] US (12/916,301) 2010-10-29

[11] **2,815,370**
[13] C
[51] **Int.Cl. A61F 2/44 (2006.01) A61B 17/70 (2006.01) A61B 17/86 (2006.01) A61F 2/46 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SPINAL FACET FUSION**
[54] **METHODE ET APPAREIL POUR LA FUSION DE FACETTES VERTEBRALES**
[72] VESTGAARDEN, TOV INGE, US
[73] VG INNOVATIONS, LLC, US
[85] 2013-04-19
[86] 2011-10-19 (PCT/US2011/056878)
[87] (WO2012/054596)
[30] US (61/394,419) 2010-10-19

---

[11] **2,815,825**
[13] C
[51] **Int.Cl. C08L 101/00 (2006.01) C08G 81/00 (2006.01) C08J 5/24 (2006.01) C08K 7/06 (2006.01) C08L 63/00 (2006.01) C08L 71/10 (2006.01)**
[25] EN
[54] **RESIN COMPOSITION, COMPOSITE CURED PRODUCT USING THE SAME, AND METHOD FOR PRODUCING THE COMPOSITE CURED PRODUCT**
[54] **COMPOSITION DE RESINE, PRODUIT DURCI COMPOSITE L'UTILISANT ET PROCEDE DE FABRICATION DU PRODUIT DURCI COMPOSITE**
[72] SANO, KENTARO, JP
[72] MITSUTSUJI, YUKI, JP
[72] HONMA, MASATO, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2013-04-24
[86] 2011-12-07 (PCT/JP2011/078247)
[87] (WO2012/081455)
[30] JP (2010-276775) 2010-12-13

---

[11] **2,819,834**
[13] C
[51] **Int.Cl. C08F 220/38 (2006.01) C08F 8/24 (2006.01) C08F 8/34 (2006.01) C08F 216/14 (2006.01)**
[25] EN
[54] **POLYMER AND METHODS FOR PREPARING AND USING THE SAME**
[54] **POLYMERE ET PROCEDES POUR SA PREPARATION ET SON UTILISATION**
[72] PENG, WENQING, US
[72] LIANG, YANGANG, US
[72] LIU, SHENGXIA, US
[72] LEWIS, LARRY NEIL, US
[72] PERRY, ROBERT JAMES, US
[72] VASCONCELLOS, STEPHEN ROBERT, US
[72] LU, SU, US
[72] ZHANG, GUIXI, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2013-06-03
[86] 2011-12-02 (PCT/US2011/063023)
[87] (WO2012/082400)
[30] CN (201010613521.6) 2010-12-17

---

[11] **2,820,783**
[13] C
[51] **Int.Cl. B65D 85/68 (2006.01) B60S 1/38 (2006.01)**
[25] FR
[54] **DEVICE AND ASSEMBLY FOR SUPPORTING A PAIR OF WINDSHIELD WIPERS, AND CORRESPONDING PACKAGING AND ASSEMBLY METHOD**
[54] **DISPOSITIF ET ENSEMBLE DE MAINTIEN D'UNE PAIRE DE BALAIS D'ESSUIE-GLACES, EMBALLAGE ET PROCEDE DE MONTAGE CORRESPONDANTS**
[72] JEHANNET, JEAN-PIERRE, FR
[72] VERET, JOCELYN, FR
[73] VALEO SYSTEMES D'ESSUYAGE, FR
[85] 2013-06-07
[86] 2011-09-26 (PCT/EP2011/066685)
[87] (WO2012/095194)
[30] FR (1004791) 2010-12-08

---

[11] **2,820,940**
[13] C
[51] **Int.Cl. C07D 307/14 (2006.01) C07D 307/12 (2006.01) C07D 307/42 (2006.01) C07D 307/52 (2006.01)**
[25] EN
[54] **PREPARATION OF AMINOMETHYL FURAN AND ALKOXYMETHYL FURAN DERIVATIVES FRO M CARBOHYDRATES**
[54] **PREPARATION D'AMINOMETHYLFURANES ET DE DERIVES D'ALCOXYMETHYLFURANES A PARTIR DE GLUCIDES**
[72] HOWARD, STEPHEN J., US
[72] SANBORN, ALEXANDRA J., US
[73] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2013-06-07
[86] 2011-12-13 (PCT/US2011/064513)
[87] (WO2012/082665)
[30] US (61/423,684) 2010-12-16

---

[11] **2,821,573**
[13] C
[51] **Int.Cl. C09K 8/42 (2006.01) C04B 14/16 (2006.01) C04B 14/18 (2006.01) C04B 18/16 (2006.01) C04B 28/04 (2006.01) C09K 8/46 (2006.01)**
[25] EN
[54] **SETTABLE COMPOSITIONS COMPRISING UNEXPANDED PERLITE AND METHODS OF CEMENTING IN SUBTERRANEAN FORMATIONS**
[54] **COMPOSITIONS DURCISSABLES COMPRENANT DE LA PERLITE NON EXPANSEE ET PROCEDES DE CIMENTATION DANS DES FORMATIONS SOUTERRAINES**
[72] BRENNEIS, CHAD D., US
[72] KARCHER, JEFFREY D., US
[72] RODDY, CRAIG WAYNE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2013-06-13
[86] 2011-12-21 (PCT/GB2011/001749)
[87] (WO2012/085509)
[30] US (12/975196) 2010-12-21

[11] **2,822,161**
[13] C
[51] **Int.Cl. C12N 15/87 (2006.01) A61K 47/54 (2017.01) C12N 15/11 (2006.01)**
[25] EN
[54] **SMALL MOLECULE CONJUGATES FOR INTRACELLULAR DELIVERY OF NUCLEIC ACIDS**
[54] **CONJUGUES DE PETITES MOLECULES POUR L'ADMINISTRATION INTRACELLULAIRE D'ACIDES NUCLEIQUES**
[72] HADWIGER, PHILIPP, DE
[72] HOFFMANN, TORSTEN, DE
[72] JAHN-HOFMANN, KERSTIN, DE
[72] KITAS, ERIC A., DE
[72] LEWIS, DAVID L., US
[72] MOHR, PETER, CH
[72] MUELLER, HANS MARTIN, DE
[72] OTT, GUENTHER, DE
[72] ROEHL, INGO, DE
[72] ROZEMA, DAVID B., US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2013-06-18
[86] 2011-08-04 (PCT/EP2011/063436)
[87] (WO2012/089352)
[30] US (61/427,845) 2010-12-29

---

[11] **2,823,821**
[13] C
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **DEVICE FOR AT LEAST ONE OF INJECTION OR ASPIRATION**
[54] **DISPOSITIF DESTINE A UNE INJECTION ET/OU UNE ASPIRATION**
[72] WHEATLEY, BARRY LYNN, US
[72] MCDONELL, BRIAN WILLIAM, US
[73] ALCON RESEARCH, LTD., US
[85] 2013-07-04
[86] 2011-12-01 (PCT/US2011/062780)
[87] (WO2012/087528)
[30] US (12/976,038) 2010-12-22

---

[11] **2,824,762**
[13] C
[51] **Int.Cl. G01V 3/00 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUSES FOR SENSING AND MEASURING THE ELECTRIC FIELD WITHIN THE EARTH**
[54] **PROCEDES, SYSTEMES ET APPAREILS DESTINES A DETECTER ET A MESURER LE CHAMP ELECTRIQUE DANS LA TERRE**
[72] HIBBS, ANDREW DENNIS, US
[73] GROUNDMETRICS, INC., US
[85] 2013-07-12
[86] 2012-01-20 (PCT/US2012/022105)
[87] (WO2012/100217)
[30] US (61/434,951) 2011-01-21

---

[11] **2,824,899**
[13] C
[51] **Int.Cl. B60R 13/01 (2006.01) B60P 3/00 (2006.01) B60P 7/00 (2006.01)**
[25] EN
[54] **LINER SYSTEMS**
[54] **SYSTEMES DE CHEMISAGE**
[72] DUNN, DONALD C., US
[72] HOFBERGER, JERRY F., US
[73] CORROSION ENGINEERING, INC., US
[85] 2013-07-16
[86] 2011-01-21 (PCT/US2011/022134)
[87] (WO2011/091310)
[30] US (61/298,116) 2010-01-25
[30] US (61/322,822) 2010-04-10
[30] US (13/010,492) 2011-01-20

---

[11] **2,825,182**
[13] C
[51] **Int.Cl. A61C 1/00 (2006.01) A61B 18/20 (2006.01)**
[25] EN
[54] **DENTAL LASER SYSTEM AND TREATMENT METHOD**
[54] **SYSTEME LASER DENTAIRE ET PROCEDE DE TRAITEMENT**
[72] MONTY, NATHAN P., US
[73] CONVERGENT DENTAL, INC., US
[85] 2013-07-31
[86] 2011-02-02 (PCT/US2011/023483)
[87] (WO2012/105972)

---

[11] **2,826,106**
[13] C
[51] **Int.Cl. B23K 9/32 (2006.01) B23K 9/16 (2006.01) B23K 37/00 (2006.01)**
[25] EN
[54] **FUME EXTRACTOR FOR WELDING APPLICATIONS**
[54] **EXTRACTEUR DE FUMEE POUR APPLICATIONS AU SOUDAGE**
[72] MEHN, PETER DONALD, US
[72] HILBERT, ALLAN THOMAS, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2013-07-30
[86] 2012-01-25 (PCT/US2012/022599)
[87] (WO2012/106163)
[30] US (61/438,577) 2011-02-01
[30] US (13/356,160) 2012-01-23

---

[11] **2,826,244**
[13] C
[51] **Int.Cl. B31B 50/26 (2017.01)**
[25] EN
[54] **DEVICE FOR SHAPING A FLAT BLANK INTO A CONTAINER**
[54] **DISPOSITIF SERVANT A FACONNER UNE DECOUPE PLATE POUR OBTENIR UN RECIPIENT**
[72] FRANK, ALEXANDER, CH
[73] ROBERT BOSCH GMBH, DE
[85] 2013-08-01
[86] 2012-01-31 (PCT/EP2012/051501)
[87] (WO2012/107317)
[30] DE (102011004004.8) 2011-02-11

---

[11] **2,828,507**
[13] C
[51] **Int.Cl. G04G 15/00 (2006.01) G06F 3/033 (2013.01) G06F 3/048 (2013.01)**
[25] EN
[54] **PROGRAMMABLE CONTROLLERS AND SCHEDULE TIMERS**
[54] **CONTROLEURS PROGRAMMABLES ET HORLOGES DE CALENDRIER**
[72] RODDY, IVOR, IE
[73] CLIMOTE LIMITED, IE
[85] 2013-08-28
[86] 2011-04-14 (PCT/EP2011/055954)
[87] (WO2011/128416)
[30] IE (S2010/0214) 2010-04-14

[11] **2,828,685**
[13] C
[51] **Int.Cl. A61K 31/505 (2006.01) A61K 9/20 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **STABLE COMPOSITIONS OF TETRAHYDROBIOPTERIN**
[54] **COMPOSITIONS STABLES DE TETRAHYDROBIOPTERINE**
[72] RUSTOMJEE, MAHARUKH TEHMASP, IN
[72] GANDHI, ANILKUMAR SURENDRAKUMAR, IN
[73] DIPHARMA S.A., CH
[85] 2013-08-29
[86] 2012-03-01 (PCT/IB2012/050959)
[87] (WO2012/117362)
[30] IN (573/MUM/2011) 2011-03-01

---

[11] **2,829,273**
[13] C
[51] **Int.Cl. B64F 1/30 (2006.01) B64F 1/315 (2006.01)**
[25] EN
[54] **ACCESS UNIT**
[54] **UNITE D'ACCES**
[72] CORFIELD, GRAHAM, GB
[73] CORFIELD, GRAHAM, GB
[85] 2013-09-06
[86] 2011-03-15 (PCT/GB2011/050514)
[87] (WO2011/114147)
[30] GB (1004284.4) 2010-03-16
[30] GB (1014314.7) 2010-08-27

---

[11] **2,830,313**
[13] C
[51] **Int.Cl. F16B 13/06 (2006.01) B21H 3/02 (2006.01)**
[25] EN
[54] **ANCHOR BOLT AND PRODUCTION METHOD**
[54] **BOULON D'ANCRAGE ET PROCEDE DE FABRICATION**
[72] SHIMAHARA, HIDEKI, CH
[72] WINKLER, MARK, AT
[72] WISSLING, MATTHIAS, CH
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2013-09-16
[86] 2012-02-28 (PCT/EP2012/053320)
[87] (WO2012/126700)
[30] DE (10 2011 005 999.7) 2011-03-23
[30] DE (10 2011 076 180.2) 2011-05-20

---

[11] **2,830,413**
[13] C
[51] **Int.Cl. G01S 13/88 (2006.01) G01S 7/40 (2006.01) G01S 7/41 (2006.01)**
[25] EN
[54] **DEVELOPMENT OF A CONTRAST PHANTOM FOR ACTIVE MILLIMETER WAVE IMAGING SYSTEMS**
[54] **DEVELOPPEMENT D'UN FANTOME DE CONTRASTE POUR SYSTEMES D'IMAGERIE ACTIFS A ONDES MILLIMETRIQUES**
[72] BARBER, JEFFREY B., US
[72] WEATHERALL, JAMES C., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2013-09-16
[86] 2012-03-29 (PCT/US2012/031178)
[87] (WO2012/135477)
[30] US (61/468,779) 2011-03-29

---

[11] **2,831,749**
[13] C
[51] **Int.Cl. F16J 15/10 (2006.01) F16J 15/06 (2006.01) H01M 8/18 (2006.01)**
[25] EN
[54] **SEALING MATERIAL FOR THIN PLATE MEMBER**
[54] **MATERIAU D'ETANCHEITE POUR ELEMENTS DE PLAQUES MINCES**
[72] UEDA, AKIRA, JP
[72] TAKAHASHI, KENICHI, JP
[72] FUJII, ATSUSHI, JP
[72] KAWAMURA, TETSUYA, JP
[73] NIPPON VALQUA INDUSTRIES, LTD., JP
[85] 2013-09-27
[86] 2012-03-30 (PCT/JP2012/058522)
[87] (WO2012/133738)
[30] JP (2011-078007) 2011-03-31
[30] JP (2012-057048) 2012-03-14

---

[11] **2,834,620**
[13] C
[51] **Int.Cl. A61F 2/95 (2013.01)**
[25] EN
[54] **ENDOVASCULAR PROSTHESIS AND DELIVERY DEVICE**
[54] **PROTHESE ENDOVASCULAIRE ET DISPOSITIF DE POSE**
[72] BORSKY, CASSIE A., CA
[72] FUNG, ERIC SOUN-SANG, CA
[72] TIPPETT, JONATHAN G., CA
[73] EVASC NEUROVASCULAR ENTERPRISES ULC, CA
[85] 2013-10-29
[86] 2012-04-27 (PCT/CA2012/000388)
[87] (WO2012/145826)
[30] US (61/457,604) 2011-04-29
[30] US (61/457,605) 2011-04-29

---

[11] **2,835,460**
[13] C
[51] **Int.Cl. G06F 21/00 (2013.01) A61B 5/117 (2016.01) G06F 15/18 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING CONTINUOUS OR INSTANTANEOUS IDENTITY RECOGNITION BASED ON PHYSIOLOGICAL BIOMETRIC SIGNALS**
[54] **SYSTEME ET PROCEDE PERMETTANT UNE RECONNAISSANCE D'IDENTITE EN CONTINU OU INSTANTANEE BASEE SUR DES SIGNAUX BIOMETRIQUES PHYSIOLOGIQUES**
[72] AGRAFIOTI, FOTEINI, CA
[72] BUI, FRANCIS MINHTHANG, CA
[72] HATZINAKOS, DIMITRIOS, CA
[73] NYMI INC., CA
[85] 2013-11-08
[86] 2012-05-10 (PCT/CA2012/000448)
[87] (WO2012/151680)
[30] US (61/484,470) 2011-05-10

[11] **2,835,650**
[13] C
[51] **Int.Cl. A01N 59/20 (2006.01) A01N 25/22 (2006.01) A01N 59/16 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ANTIMICROBIAL METAL NANOPARTICLES**
[54] **COMPOSITIONS ET PROCEDES POUR NANOPARTICULES METALLIQUES ANTIMICROBIENNES**
[72] UHLMANN, DONALD R., US
[72] AGRAWAL, ANOOP, US
[72] AKARSU, MURAT, TR
[72] CRONIN, JOHN P., US
[72] LOPEZ-TONAZZI, JUAN CARLOS, US
[72] REESER, RYAN J., US
[73] AGIENIC, INC., US
[85] 2013-11-08
[86] 2012-05-24 (PCT/US2012/039462)
[87] (WO2012/162557)
[30] US (61/519,523) 2011-05-24
[30] US (61/582,322) 2011-12-31

---

[11] **2,837,577**
[13] C
[51] **Int.Cl. A61B 5/0215 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **OPTICAL COHERENCE TOMOGRAPHY AND PRESSURE BASED SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES A BASE DE TOMOGRAPHIE PAR COHERENCE OPTIQUE ET DE PRESSION**
[72] PETROFF, CHRISTOPHER, US
[72] SCHMITT, JOSEPH, US
[73] LIGHTLAB IMAGING, INC., US
[85] 2013-11-27
[86] 2012-05-14 (PCT/US2012/037717)
[87] (WO2012/166332)
[30] US (61/490,925) 2011-05-27
[30] US (61/529,594) 2011-08-31

---

[11] **2,838,073**
[13] C
[51] **Int.Cl. A61M 1/12 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LONG-TERM ASSISTING A LEFT VENTRICLE TO PUMP BLOOD**
[54] **METHODE ET APPAREIL D'ASSISTANCE A LONG TERME D'UN VENTRICULE GAUCHE DANS LE POMPAGE DE SANG**
[72] DELGADO, REYNOLDS M., III, US
[73] PROCYRION, INC., US
[86] (2838073)
[87] (2838073)
[22] 2005-08-12
[62] 2,577,051
[30] US (60/601,733) 2004-08-13
[30] US (60/653,015) 2005-02-15

---

[11] **2,839,185**
[13] C
[51] **Int.Cl. B26D 7/08 (2006.01) B01F 11/02 (2006.01) B26D 1/00 (2006.01)**
[25] EN
[54] **CUTTER FOR DIVIDING A PROCESSED PRODUCT USING ULTRASOUND ENERGY AND DEVICE**
[54] **COUTEAU POUR DIVISER UN PRODUIT A TRAITER EN UTILISANT DE L'ENERGIE ULTRASONIQUE AINSI QUE DISPOSITIF**
[72] CARRASCO, CESAR, CH
[73] A O SCHALLINOX GMBH, CH
[85] 2013-12-12
[86] 2012-07-25 (PCT/EP2012/064616)
[87] (WO2013/014199)
[30] EP (11175306.7) 2011-07-26

---

[11] **2,839,597**
[13] C
[51] **Int.Cl. G01N 21/65 (2006.01) A61B 5/00 (2006.01) G01J 3/44 (2006.01) G01N 15/14 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF MYCOPLASM CONTAMINATION IN BIOTECHNOLOGY PRODUCTION USING RAMAN SPECTROSCOPY**
[54] **IDENTIFICATION PAR SPECTROSCOPIE RAMAN D'UNE CONTAMINATION PAR UN MYCOPLASME DANS LE CADRE D'UN PROCESSUS DE PRODUCTION BIOTECHNOLOGIQUE**
[72] BARTKO, ANDREW P., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2013-12-16
[86] 2012-08-29 (PCT/US2012/052777)
[87] (WO2013/033148)
[30] US (61/528,849) 2011-08-30

---

[11] **2,840,294**
[13] C
[51] **Int.Cl. G03B 15/02 (2006.01) G06F 3/048 (2013.01) H04N 5/232 (2006.01)**
[25] EN
[54] **IMAGING APPARATUS AND CONTROLLER FOR PHOTOGRAPHING PRODUCTS**
[54] **APPAREIL DE FORMATION D'IMAGE ET CONTROLEUR POUR PRODUITS DE PRISE DE VUE**
[72] JORGENSEN, ANDERS PATRICK, NL
[72] BLAAS, JORIK, NL
[72] FUNK, MATHIAS, NL
[73] VISUAL RETAILING HOLDING B.V., NL
[85] 2013-12-23
[86] 2011-07-08 (PCT/EP2011/061652)
[87] (WO2012/149983)

[11] **2,841,052**
[13] C
[51] **Int.Cl. H02J 3/36 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING A HYBRID POWER SYSTEM**
[54] **PROCEDE ET APPAREIL DE COMMANDE DE SYSTEME ELECTRIQUE HYBRIDE**
[72] DENNIS, KEVIN, US
[72] RAASCH, MICHAEL, US
[72] VANG, DER, US
[73] ENSYNC, INC., US
[85] 2013-12-30
[86] 2012-07-17 (PCT/US2012/046996)
[87] (WO2013/012831)
[30] US (13/185,862) 2011-07-19

[11] **2,841,724**
[13] C
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/7042 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01) C07D 311/30 (2006.01) C07H 17/07 (2006.01)**
[25] EN
[54] **USE OF LUTEOLIN AND DERIVATIVES THEREOF IN THE PREVENTION AND TREATMENT OF HEART FAILURE**
[54] **UTILISATION DE LUTEOLINE ET DE SES DERIVES POUR LA PREVENTION ET LE TRAITEMENT DE DEFAILLANCE CARDIAQUE**
[72] MORITA, HIROYUKI, JP
[72] NAGAI, RYOZO, JP
[72] NAKAYAMA, ATSUKO, JP
[72] HASHIMOTO, TADASHI, JP
[73] THE UNIVERSITY OF TOKYO, JP
[73] THERAVALUES CORPORATION, JP
[85] 2014-01-14
[86] 2012-07-19 (PCT/JP2012/068382)
[87] (WO2013/012049)
[30] JP (2011-158920) 2011-07-20
[30] JP (2011-193508) 2011-09-06
[30] JP (2012-116387) 2012-05-22

[11] **2,843,540**
[13] C
[51] **Int.Cl. E03C 1/02 (2006.01) A47K 3/28 (2006.01) F16K 21/04 (2006.01) F16K 31/44 (2006.01)**
[25] EN
[54] **MANUALLY OPERATED VALVE FOR A SHOWER INSTALLATION SYSTEM**
[54] **VANNE A COMMANDE MANUELLE POUR UN SYSTEME D'INSTALLATION DE DOUCHE**
[72] PELLETIER, MICHEL, CA
[73] PELLETIER, MICHEL, CA
[85] 2014-01-29
[86] 2012-07-31 (PCT/CA2012/000722)
[87] (WO2013/016808)
[30] CA (2,748,553) 2011-08-02

[11] **2,844,484**
[13] C
[51] **Int.Cl. B04C 5/185 (2006.01) B01D 50/00 (2006.01) B01J 37/00 (2006.01) B04C 9/00 (2006.01) F01N 3/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONVERTER BED UNLOADING AND LOADING**
[54] **SYSTEMES ET PROCEDES POUR DECHARGEMENT ET CHARGEMENT DE LIT DE CONVERTISSEUR**
[72] WILKINSON, KELLY O., US
[72] NORVILLE, RICHARD SCOTT, US
[73] CYCLONE CATALYST PROPERTIES, LLC, US
[85] 2014-02-06
[86] 2012-08-10 (PCT/US2012/050384)
[87] (WO2013/025522)
[30] US (61/522,903) 2011-08-12

[11] **2,844,758**
[13] C
[51] **Int.Cl. F42D 1/055 (2006.01)**
[25] EN
[54] **DETONATOR ASSEMBLY**
[54] **ENSEMBLE DETONATEUR**
[72] KOEKEMOER, ANDRE, ZA
[72] SCHLENTER, CRAIG CHARLES, ZA
[72] LABUSCHAGNE, ALBERTUS A., ZA
[72] BIRKIN, CHRISTOPHER MALCOLM, ZA
[72] VAN DER WALT, HERMAN, ZA
[73] DETNET SOUTH AFRICA (PTY) LTD., ZA
[85] 2014-02-07
[86] 2012-07-11 (PCT/ZA2012/000048)
[87] (WO2013/044273)
[30] ZA (2011/06962) 2011-09-23

[11] **2,844,836**
[13] C
[51] **Int.Cl. F42D 1/055 (2006.01)**
[25] EN
[54] **DETONATOR DEVICE COMMUNICATION**
[54] **COMMUNICATION D'UN DISPOSITIF DETONATEUR**
[72] KOEKEMOER, ANDRE, ZA
[72] SCHLENTER, CRAIG CHARLES, ZA
[72] MAURISSENS, DANIEL AUGUST JULIEN LOUIS, ZA
[73] DETNET SOUTH AFRICA (PTY) LTD., ZA
[85] 2014-02-10
[86] 2012-09-21 (PCT/ZA2012/000058)
[87] (WO2013/044275)
[30] ZA (2011/06918) 2011-09-22

[11] **2,845,786**
[13] C
[51] **Int.Cl. F41H 5/013 (2006.01) F41H 5/02 (2006.01) F41H 5/04 (2006.01) F41H 7/04 (2006.01)**
[25] EN
[54] **STRUCTURAL COMPONENT FOR ARMOURED VEHICLES**
[54] **COMPOSANT STRUCTUREL POUR VEHICULES BLINDES**
[72] ALTER, ROLF-MATHIAS, LU
[72] WALTER, JURGEN, DE
[73] EC TECHNIK GMBH, DE
[85] 2014-02-19
[86] 2012-09-10 (PCT/EP2012/067660)
[87] (WO2013/037738)
[30] DE (10 2011 113 520.4) 2011-09-15

[11] **2,845,857**
[13] C
[51] **Int.Cl. G01N 33/00 (2006.01) G01N 21/35 (2014.01) G01N 21/39 (2006.01)**
[25] EN
[54] **HUMIDITY AND TEMPERATURE CORRECTIONS TO IMPROVE ACCURACY OF HF AMBIENT AIR MONITORS BASED ON TUNABLE DIODE LASER IR ABSORPTION MEASUREMENTS**
[54] **CORRECTIONS D'HUMIDITE ET DE TEMPERATURE POUR AMELIORER LA PRECISION DE DISPOSITIFS DE SURVEILLANCE D'AIR AMBIANT D'HF SUR LA BASE DE MESURES D'ABSORPTION INFRAROUGE (IR) PAR LASER A DIODE ACCORDABLE**
[72] ALVAREZ, MANUEL S., US
[72] SPRY, DAVID B., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2014-02-19
[86] 2012-08-31 (PCT/US2012/053278)
[87] (WO2013/033493)
[30] US (13/223,756) 2011-09-01

---

[11] **2,846,356**
[13] C
[51] **Int.Cl. G01F 23/296 (2006.01) B01D 21/02 (2006.01) G01F 1/74 (2006.01) G01F 23/28 (2006.01) G01N 29/02 (2006.01)**
[25] EN
[54] **ACOUSTIC PROBING TECHNIQUE FOR THE DETERMINATION OF MULTIPLE LIQUID/FROTH INTERFACES IN SEPARATION AND STORAGE VESSELS BASED ON AN OBLIQUE TOMOGRAPHIC ANALYSIS APPROACH**
[54] **TECHNIQUE DE SONDAGE ACOUSTIQUE PERMETTANT DE DETERMINER PLUSIEURS INTERFACES LIQUIDE/MOUSSE DANS DES CUVES DE SEPARATION ET DE STOCKAGE SUR LA BASE D'UNE APPROCHE FONDEE SUR UNEANALYSE TOMOGRAPHIQUE OBLIQUE**
[72] KERSEY, ALAN D., US
[72] VIEGA, JOHN, US
[73] CIDRA CORPORATE SERVICES INC., US
[85] 2014-02-24
[86] 2012-08-23 (PCT/US2012/052074)
[87] (WO2013/028870)
[30] US (61/526,336) 2011-08-23

---

[11] **2,847,308**
[13] C
[51] **Int.Cl. G07C 9/00 (2006.01) B64D 11/00 (2006.01) B64D 47/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING THE AUTHORIZATION OF A PERSON TO ACCESS A SECURE AREA**
[54] **METHODE DE CONTROLE D'AUTORISATION D'UNE PERSONNE POUR ACCEDER A UNE ZONE SECURISEE**
[72] KAMMER, OLAF, DE
[72] TRUNK, LOTHAR, DE
[72] WAFFENSCHMIDT, JORG, DE
[73] DIEHL AEROSPACE GMBH, DE
[86] (2847308)
[87] (2847308)
[22] 2014-03-24
[30] DE (102013005328.5) 2013-03-26

---

[11] **2,848,145**
[13] C
[51] **Int.Cl. C23C 22/72 (2006.01) C23C 2/26 (2006.01)**
[25] EN
[54] **METHOD FOR COATING A STEEL SHEET WITH A METAL LAYER**
[54] **PROCEDE DE REVETEMENT D'UNE FEUILLE D'ACIER PAR UNE COUCHE DE METAL**
[72] OBERHOFFER, HELMUT, DE
[72] LIEBSCHER, BENJAMIN, DE
[72] SZESNI, ANIKA, DE
[72] SAUER, REINER, DE
[72] FRIEDRICH, KARL-ERNST, DE
[73] THYSSENKRUPP RASSELSTEIN GMBH, DE
[86] (2848145)
[87] (2848145)
[22] 2014-04-04
[30] DE (10 2013 105 392.0) 2013-05-27

---

[11] **2,848,554**
[13] C
[51] **Int.Cl. G08B 13/02 (2006.01) G08B 23/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STORING AND MONITORING EVENTS AT SECURITY DEVICES**
[54] **SYSTEME ET METHODE DE STOCKAGE ET DE SURVEILLANCE D'EVENEMENTS SUR DES DISPOSITIFS DE SECURITE**
[72] JIANG, ZHONGYA, US
[72] SMITH, RICHARD ALAN, US
[72] PIEL, KEVIN G., US
[72] ADDY, KENNETH L., US
[72] ZHAO, THIANFENG, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2848554)
[87] (2848554)
[22] 2014-04-04
[30] US (13/864,713) 2013-04-17

[11] **2,849,479**
[13] C
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 74/00 (2009.01) H04W 74/02 (2009.01)**
[25] EN
[54] **COLLISION REDUCTION MECHANISMS FOR WIRELESS COMMUNICATION NETWORKS**
[54] **MECANISMES DE REDUCTION DES COLLISIONS POUR DES RESEAUX DE COMMUNICATION SANS FIL**
[72] MERLIN, SIMONE, US
[72] TAGHAVI NASRABADI, MOHAMMAD HOSSEIN, US
[72] WENTINK, MAARTEN MENZO, US
[73] QUALCOMM INCORPORATED, US
[85] 2014-03-20
[86] 2012-10-01 (PCT/US2012/058325)
[87] (WO2013/049826)
[30] US (61/540,681) 2011-09-29
[30] US (13/557,458) 2012-07-25

---

[11] **2,849,634**
[13] C
[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **IMPROVED FEMORAL IMPLANT REVISION TOOL**
[54] **OUTIL DE REVISION D'IMPLANT FEMORAL AMELIORE**
[72] YOUNG, MICHAEL JOHN RADLEY, GB
[73] ORTHOFIX S.R.L., IT
[85] 2014-03-21
[86] 2011-09-21 (PCT/GB2011/001376)
[87] (WO2012/038698)
[30] GB (1015998.6) 2010-09-22

---

[11] **2,850,981**
[13] C
[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/16 (2006.01) H04L 29/12 (2006.01)**
[25] EN
[54] **METHODS OF STRUCTURING DATA, PRE-COMPILED EXCEPTION LIST ENGINES, AND NETWORK APPLIANCES**
[54] **PROCEDES DE STRUCTURATION DE DONNEES, MOTEURS DE LISTES D'EXCEPTIONS PRECOMPILES ET EQUIPEMENTS DE RESEAU**
[72] MAESTAS, DAVID E., US
[73] TECHGUARD SECURITY, LLC, US
[86] (2850981)
[87] (2850981)
[22] 2010-04-19
[62] 2,759,005
[30] US (61/171,176) 2009-04-21
[30] US (12/509,957) 2009-07-27

---

[11] **2,851,035**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 15/54 (2006.01) C12N 15/82 (2006.01) C12N 5/04 (2006.01)**
[25] EN
[54] **METHODS FOR USING ARTIFICIAL POLYNUCLEOTIDES AND COMPOSITIONS THEREOF TO REDUCE TRANSGENE SILENCING**
[54] **PROCEDES PERMETTANT D'UTILISER DES POLYNUCLEOTIDES ARTIFICIELS ET COMPOSITIONS DESDITS POLYNUCLEOTIDES AFIN DE REDUIRE LE SILENCAGE TRANSGENIQUE**
[72] FLASINSKI, STANISLAW, US
[73] MONSANTO TECHNOLOGY LLC, US
[86] (2851035)
[87] (2851035)
[22] 2003-07-10
[62] 2,492,407
[30] US (60/396,665) 2002-07-18

---

[11] **2,851,564**
[13] C
[51] **Int.Cl. H04W 56/00 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **SYNCHRONIZATION OF NODES IN A NETWORK**
[54] **SYNCHRONISATION DE N□UDS DANS UN RESEAU**
[72] MAINAUD, BASTIEN, US
[72] BARTIER, JEROME, US
[72] MONIER, FABRICE, US
[72] NGUYEN, VIET-HUNG, US
[73] ITRON GLOBAL SARL, US
[85] 2014-04-08
[86] 2012-01-30 (PCT/US2012/023098)
[87] (WO2013/066377)
[30] EP (11187341.0) 2011-10-31

---

[11] **2,852,759**
[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/56 (2006.01)**
[25] EN
[54] **ABLATION CANNULA AND KIT WITH INSERT**
[54] **CANULE D'ABLATION ET NECESSAIRE AVEC PIECE RAPPORTEE**
[72] GREENBERG, STEVEN M., US
[72] KATZMAN, SCOTT S., US
[72] CARRON, CHRIS J., US
[73] ARDENT MEDICAL CORPORATION, US
[86] (2852759)
[87] (2852759)
[22] 2014-05-27
[30] CA (2,830,713) 2013-10-23

---

[11] **2,853,228**
[13] C
[51] **Int.Cl. A63F 13/25 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR REVECTORING GAME DISPLAYS**
[54] **PROCEDES ET APPAREIL POUR REVECTORISER DES AFFICHAGES DE JEUX**
[72] HILL, RODNEY E., US
[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[85] 2014-04-23
[86] 2012-10-25 (PCT/IB2012/055876)
[87] (WO2013/061271)
[30] US (13/282,941) 2011-10-27

[11] **2,854,348**
[13] C
[51] **Int.Cl. H04L 12/16 (2006.01) G06F 17/00 (2006.01) H04L 12/58 (2006.01) G06Q 10/08 (2012.01) G06Q 30/02 (2012.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **MANAGEMENT OF DYNAMIC EMAIL CONTENT**
[54] **GESTION D'UN CONTENU DE COURRIER ELECTRONIQUE DYNAMIQUE**
[72] SHARMA, VIVEK, US
[72] NUTT, MICHAEL, US
[73] MOVABLE, INK., US
[85] 2014-05-01
[86] 2012-11-09 (PCT/US2012/064498)
[87] (WO2013/071144)
[30] US (61/557,614) 2011-11-09

---

[11] **2,855,285**
[13] C
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 28/02 (2009.01) H04W 84/18 (2009.01)**
[25] EN
[54] **TRAFFIC LOAD MANAGEMENT FOR UPLINK NETWORK TRAFFIC**
[54] **GESTION DE CHARGE DE TRAFIC POUR TRAFIC DE RESEAU DE LIAISON MONTANTE**
[72] NGUYEN, VIET-HUNG, US
[72] VAN WYK, HARTMAN, US
[73] ITRON GLOBAL SARL, US
[85] 2014-05-09
[86] 2012-01-30 (PCT/US2012/023093)
[87] (WO2013/070264)
[30] EP (11188907.7) 2011-11-11

---

[11] **2,855,708**
[13] C
[51] **Int.Cl. H01M 4/56 (2006.01) H01M 4/485 (2010.01) H01M 4/505 (2010.01) H01M 10/0525 (2010.01) C01G 23/00 (2006.01) H01M 4/36 (2006.01)**
[25] EN
[54] **DOPED LITHIUM TITANIUM SPINEL COMPOUND AND ELECTRODE COMPRISING SAME**
[54] **COMPOSE DE SPINELLE DE LITHIUM-TITANE DOPE ET ELECTRODE COMPRENANT CELUI-CI**
[72] LAUMANN, ANDREAS, DE
[72] HOLZAPFEL, MICHAEL, DE
[72] WENDRICH, GENOVEFA, DE
[73] JOHNSON MATTHEY PLC., GB
[85] 2014-05-13
[86] 2012-11-15 (PCT/EP2012/004755)
[87] (WO2013/072059)
[30] EP (11189799.7) 2011-11-18

---

[11] **2,856,899**
[13] C
[51] **Int.Cl. F03D 80/40 (2016.01) B64D 15/04 (2006.01) F03D 1/06 (2006.01) F03D 7/00 (2006.01)**
[25] EN
[54] **A METHOD OF DE-ICING A WIND TURBINE BLADE**
[54] **PROCEDE DE DEGIVRAGE D'UNE PALE DE TURBINE EOLIENNEE**
[72] DE BOER, WOLFGANG, DE
[72] EDEN, GEORG, DE
[72] BEEKMANN, ALFRED, DE
[72] LENSCHOW, GERHARD, DE
[73] WOBBEN PROPERTIES GMBH, DE
[86] (2856899)
[87] (2856899)
[22] 2011-04-12
[62] 2,795,881
[30] DE (10 2010 015 595.0) 2010-04-19
[30] DE (10 2011 007 085.0) 2011-04-08

---

[11] **2,857,068**
[13] C
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/28 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) A63H 27/10 (2006.01) B64B 1/58 (2006.01)**
[25] EN
[54] **METAL LAYER-FREE MULTI-LAYER FILM WITH LOW SURFACE WEIGHT**
[54] **PELLICULE MULTICOUCHE EXEMPTE DE COUCHE METALLIQUE AYANT UNE FAIBLE MASSE SURFACIQUE**
[72] FISCHER, CHRISTIAN ERICH, DE
[72] BORM, ACHIM, DE
[72] BLUM, THOMAS, DE
[73] MARIA SOELL HIGH TECHNOLOGY FILMS GMBH, DE
[85] 2014-05-27
[86] 2012-12-04 (PCT/EP2012/004990)
[87] (WO2013/083261)
[30] DE (10 2011 120 604.7) 2011-12-09
[30] DE (10 2012 006 416.0) 2012-03-30

---

[11] **2,857,465**
[13] C
[51] **Int.Cl. B65B 65/00 (2006.01) B65B 61/00 (2006.01) B65G 17/46 (2006.01) B65G 47/26 (2006.01)**
[25] EN
[54] **PRODUCT STABILIZER**
[54] **STABILISATEUR DE PRODDUIT**
[72] CHURCHILL, MATTHEW HENRY, US
[72] ERICSON, JEREMIAH JOE, US
[73] DELKOR SYSTEMS, INC., US
[86] (2857465)
[87] (2857465)
[22] 2014-07-22
[30] US (61/859409) 2013-07-29

[11] **2,858,577**
[13] C
[51] **Int.Cl. B28C 7/04 (2006.01)**
[25] EN
[54] **MULTIVARIATE MANAGEMENT OF ENTRAINED AIR AND RHEOLOGY IN CEMENTITIOUS MIXES**
[54] **GESTION A VARIABLES MULTIPLES D'AIR ENTRAINE ET RHEOLOGIE DANS DES MELANGES CIMENTAIRE**
[72] KOEHLER, ERIC, US
[72] ROBERTS, MARK F., US
[73] VERIFI LLC, US
[85] 2014-06-06
[86] 2011-12-12 (PCT/US2011/064333)
[87] (WO2013/089663)

[11] **2,858,867**
[13] C
[51] **Int.Cl. F16D 65/12 (2006.01)**
[25] EN
[54] **ASSEMBLED AXLE BRAKE DISC**
[54] **DISQUE DE FREIN D'ESSIEU ASSEMBLE**
[72] WURTH, SEBASTIAN, DE
[72] MEHLAN, ANDREAS, DE
[73] FAIVELEY TRANSPORT WITTEN GMBH, DE
[85] 2014-06-11
[86] 2012-11-13 (PCT/EP2012/072472)
[87] (WO2013/087322)
[30] DE (20 2011 052 265.2) 2011-12-12

[11] **2,859,648**
[13] C
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01) A61N 1/20 (2006.01)**
[25] EN
[54] **SITE SPECIFIC DEEP BRAIN STIMULATION FOR ENHANCEMENT OF MEMORY**
[54] **STIMULATION CEREBRALE PROFONDE DE ZONES SPECIFIQUES POUR AMELIORER LA MEMOIRE**
[72] FRIED, ITZHAK, US
[72] SUTHANA, NANTHIA, US
[72] KNOWLTON, BARBARA, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2014-06-17
[86] 2011-12-16 (PCT/US2011/065648)
[87] (WO2012/083254)
[30] US (61/424,197) 2010-12-17
[30] US (61/474,747) 2011-04-13

[11] **2,859,905**
[13] C
[51] **Int.Cl. G06F 3/02 (2006.01) G06F 3/06 (2006.01)**
[25] EN
[54] **MULTIFUNCTION BUTTON**
[54] **BOUTON MULTIFONCTION**
[72] PEDERSEN, NICHOLAS, US
[72] KLEGIN, JILL MARIE, US
[72] BRIDGES, KEVIN J., US
[73] HALLMARK CARDS, INCORPORATED, US
[86] (2859905)
[87] (2859905)
[22] 2014-08-20
[30] US (61/867,925) 2013-08-20
[30] US (14/462,095) 2014-08-18

[11] **2,860,060**
[13] C
[51] **Int.Cl. E21B 15/04 (2006.01)**
[25] EN
[54] **COLLAPSIBLE SUBSTRUCTURE FOR A MOBILE DRILLING RIG**
[54] **SUBSTRUCTURE REPLIABLE POUR UNE INSTALLATION DE FORAGE MOBILE**
[72] KONDUC, KAMERON WAYNE, CA
[72] THIESSEN, JAY JOHN, CA
[73] NATIONAL OILWELL VARCO, L.P., US
[85] 2014-06-19
[86] 2013-01-10 (PCT/US2013/020923)
[87] (WO2013/109453)
[30] US (61/586,979) 2012-01-16
[30] US (13/737,199) 2013-01-09

[11] **2,860,833**
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 21/32 (2013.01) G06F 3/14 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DYNAMICALLY ASSIGNABLE USER INTERFACE**
[54] **PROCEDE ET SYSTEME CONCERNANT UNE INTERFACE UTILISATEUR POUVANT ETRE ATTRIBUEE DYNAMIQUEMENT**
[72] VIDA, GABOR, CA
[72] MACKENZIE, STEPHEN, CA
[73] SYNACOR, INC., US
[85] 2014-07-08
[86] 2013-01-08 (PCT/CA2013/000004)
[87] (WO2013/102267)
[30] US (61/584,288) 2012-01-08

[11] **2,861,253**
[13] C
[51] **Int.Cl. G01S 19/21 (2010.01) H01Q 9/00 (2006.01) H01Q 17/00 (2006.01) H01Q 21/00 (2006.01) H04B 7/08 (2006.01) H04K 3/00 (2006.01)**
[25] EN
[54] **ANTI-JAMMING SUBSYSTEM EMPLOYING AN ANTENNA ARRAY WITH A HORIZONTAL CIRCULAR RECEPTION PATTERN**
[54] **SOUS-SYSTEME ANTIBROUILLAGE UTILISANT UN RESEAU D'ANTENNES DOTE D'UN DIAGRAMME DE RECEPTION CIRCULAIRE HORIZONTAL**
[72] FENTON, PATRICK C., CA
[73] NOVATEL INC., CA
[85] 2014-07-15
[86] 2013-03-25 (PCT/CA2013/050242)
[87] (WO2013/181752)
[30] US (13/489,801) 2012-06-06

[11] **2,862,604**
[13] C
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **LOGISTICS METHODS FOR PROCESSING LOTTERY AND CONTEST TICKETS WITH GENERIC HARDWARE**
[54] **PROCEDES DE LOGISTIQUE POUR TRAITER DES TICKETS DE LOTERIE ET DE CONCOURS AVEC UN MATERIEL GENERIQUE**
[72] IRWIN, KENNETH EARL, JR., US
[72] STANEK, EDWARD J., US
[72] HUNTLEY, WILLIAM J., US
[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[85] 2014-07-24
[86] 2013-02-07 (PCT/IB2013/051031)
[87] (WO2013/118081)
[30] US (61/596,385) 2012-02-08
[30] US (13/644,231) 2012-10-03

[11] 2,863,722
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEMS, METHODS AND APPARATUS FOR IDENTIFYING LINKS AMONG INTERACTIONAL DIGITAL DATA**
[54] **SYSTEMES, PROCEDES ET APPAREIL D'IDENTIFICATION DE LIENS ENTRE DES DONNEES NUMERIQUES INTERACTIVES**
[72] KRISHNAN, BHARATH K., US
[72] RAMAKRISHNAN, VISHWAMITRA S., US
[73] CQUOTIENT, INC., US
[85] 2014-08-01
[86] 2013-02-12 (PCT/US2013/025735)
[87] (WO2013/130260)
[30] US (13/407,393) 2012-02-28

[11] 2,864,463
[13] C
[51] **Int.Cl. H02J 13/00 (2006.01) G06Q 50/06 (2012.01) H02S 10/12 (2014.01)**
[25] EN
[54] **COMPUTING METHOD FOR CONTINUOUS POWER FLOW BASED ON WIND POWER FLUCTUATION RULES**
[54] **PROCEDE D'INFORMATIQUE POUR FLUX DE PUISSANCE CONTINU FONDE SUR UNE REGLE DE FLUCTUATION DE LA PUISSANCE EOLIENNE**
[72] ZHANG, XIAOMIN, CN
[72] ZHENG, WEI, CN
[72] JIN, DAN, CN
[72] ZHOU, XICHAO, CN
[72] LIANG, CHEN, CN
[72] LIANG, FUBO, CN
[72] NI, SAISAI, CN
[72] QIAN, WEIJIANG, CN
[72] BAI, RUNQING, CN
[73] STATE GRID CORPORATION OF CHINA, CN
[73] GANSU ELECTRIC POWER CORPORATION, CN
[73] GANSU ELECTRIC POWER RESEARCH INSTITUTE, CN
[85] 2014-08-11
[86] 2013-05-15 (PCT/CN2013/000577)
[87] (WO2013/174144)
[30] CN (201210162266.7) 2012-05-23

[11] 2,864,479
[13] C
[51] **Int.Cl. C09D 133/14 (2006.01) C09D 123/28 (2006.01)**
[25] EN
[54] **WATERBORNE COATING COMPOSITION USEFUL FOR PROMOTING ADHESION TO PLASTIC SURFACES**
[54] **COMPOSITION DE REVETEMENT A BASE AQUEUSE UTILE POUR FAVORISER L'ADHERENCE A DES SURFACES DE MATIERE PLASTIQUE**
[72] POWER, JOHN W., US
[72] THOMPSON, MARK, US
[73] W.M. BARR & COMPANY, US
[85] 2014-08-13
[86] 2013-02-14 (PCT/US2013/026168)
[87] (WO2013/123212)
[30] US (61/598,676) 2012-02-14

[11] 2,864,745
[13] C
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 13/02 (2006.01) A24B 15/18 (2006.01)**
[25] EN
[54] **PASTEURIZATION OF PACKAGED TOBACCO**
[54] **PASTEURISATION DE TABAC EMBALLE**
[72] NEISS, PHILIPP, CH
[72] VAN HATTEM, SANDER, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2014-08-15
[86] 2013-02-27 (PCT/EP2013/000578)
[87] (WO2013/127528)
[30] EP (12001327.1) 2012-02-28

[11] 2,866,352
[13] C
[51] **Int.Cl. H04L 1/18 (2006.01) H04J 3/00 (2006.01)**
[25] EN
[54] **HARQ/ACK CODEBOOK SIZE DETERMINATION**
[54] **DETERMINATION DE LA TAILLE D'UN LIVRE DE CODES HARQ/ACK**
[72] HE, HONG, CN
[72] FWU, JONG-KAE, US
[73] INTEL CORPORATION, US
[85] 2014-09-04
[86] 2013-02-18 (PCT/US2013/026604)
[87] (WO2013/138021)
[30] US (61/612,188) 2012-03-16
[30] US (13/593,044) 2012-08-23

[11] 2,867,146
[13] C
[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **RETRACTING SHEATH DETACHABLE SAFETY NEEDLE WITH MOVING SPRING**
[54] **AIGUILLE DE SECURITE AMOVIBLE A GAINE RETRACTABLE COMPORTANT UN RESSORT MOBILE**
[72] WONG, ANDREW, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2014-09-11
[86] 2013-03-14 (PCT/US2013/031154)
[87] (WO2013/138549)
[30] US (61/610,623) 2012-03-14
[30] US (13/793,655) 2013-03-11

[11] 2,867,466
[13] C
[51] **Int.Cl. E05B 1/00 (2006.01)**
[25] EN
[54] **DEFEATER LATCH HANDLE**
[54] **POIGNEE DE VERROUILLAGE D'AFFRANCHISSEMENT**
[72] LE, TAM, US
[73] S.P.E.P. ACQUISITION CORPORATION, US
[86] (2867466)
[87] (2867466)
[22] 2014-10-16
[30] US (14/059,295) 2013-10-21

[11] 2,867,845
[13] C
[51] **Int.Cl. H04B 3/32 (2006.01) H04B 3/487 (2015.01) H04M 11/06 (2006.01)**
[25] EN
[54] **SYSTEM FOR DIAGNOSING AND OPTIMIZING VECTORED DSL LINES**
[54] **SYSTEME DE DIAGNOSTIC ET D'OPTIMISATION DE LIGNES D'ABONNEES VECTORISEES**
[72] KERPEZ, KENNETH, US
[72] MOHSENI, MEHDI, US
[72] RHEE, WONJONG, US
[72] GALLI, STEFANO, US
[72] GINIS, GEORGIOS, US
[72] TEHRANI, ARDAVAN MALEKI, US
[72] GOLDBURG, MARC, US
[73] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC., US
[85] 2014-09-18
[86] 2012-03-19 (PCT/US2012/029677)
[87] (WO2013/141840)

[11] 2,868,147
[13] C
[51] **Int.Cl. B22D 11/108 (2006.01) B22D 41/58 (2006.01)**
[25] EN
[54] **CONTINUOUS CASTING PROCESS OF METAL**
[54] **PROCESSUS DE COULEE CONTINUE DE METAL**
[72] BRANDT, MATHIEU, BE
[72] FISCHBACH, JEAN-PAUL, BE
[72] NAVEAU, PAUL, BE
[73] ARCELORMITTAL INVESTIGACION Y DESARROLLO SL, ES
[85] 2014-09-08
[86] 2012-03-28 (PCT/IB2012/000628)
[87] (WO2013/144668)

---

[11] 2,868,264
[13] C
[51] **Int.Cl. B32B 15/01 (2006.01) B32B 15/20 (2006.01) C22F 1/04 (2006.01) C22C 21/06 (2006.01) C22C 21/10 (2006.01)**
[25] EN
[54] **CRASHWORTHY STRUCTURES FORMED OF MULTILAYERED METALLIC MATERIALS**
[54] **STRUCTURES ANTICHOCS CONSTITUEES DE MATERIAUX METALLIQUES MULTICOUCHES**
[72] RIOJA, ROBERTO, US
[72] CONNER, BRETT, US
[72] KAMAT, RAJEEV, US
[73] ARCONIC INC., US
[85] 2014-09-23
[86] 2013-03-28 (PCT/US2013/034499)
[87] (WO2013/149090)
[30] US (61/616,995) 2012-03-28
[30] US (61/659,880) 2012-06-14
[30] US (61/792,361) 2013-03-15

---

[11] 2,868,660
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G07C 1/10 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS RELATING TO TIME LOCATION BASED EMPLOYEE MANAGEMENT SYSTEMS**
[54] **PROCEDES ET SYSTEMES LIES AUX SYSTEMES DE GESTION DES EMPLOYES FONDES SUR LA LOCALISATION ET LE TEMPS**
[72] EGGLESTON, YVES, CA
[73] PUNCHTIME INC., CA
[86] (2868660)
[87] (2868660)
[22] 2014-10-22
[30] US (61/912,301) 2013-12-05

---

[11] 2,869,600
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **THERMALLY ASSISTED GRAVITY DRAINAGE (TAGD)**
[54] **DRAINAGE PAR GRAVITE ACTIVE THERMIQUEMENT**
[72] ROBERTS, BRUCE, CA
[72] BEATTIE, DOUG, CA
[72] HAMIDA, TAREK, CA
[73] ATHABASCA OIL CORPORATION, CA
[86] (2869600)
[87] (2869600)
[22] 2014-10-31

---

[11] 2,870,710
[13] C
[51] **Int.Cl. E04H 17/14 (2006.01) E04F 11/18 (2006.01)**
[25] EN
[54] **FENCE RAIL AND BRACKET SYSTEM**
[54] **RAIL POUR CLOTURE ET MECANISME DE SUPPORT**
[72] BERTATO, MAURIZIO C., CA
[73] BERTATO, MAURIZIO C., CA
[86] (2870710)
[87] (2870710)
[22] 2014-11-12
[30] US (13/999441) 2014-02-26

---

[11] 2,872,057
[13] C
[51] **Int.Cl. E21B 49/02 (2006.01)**
[25] EN
[54] **METHOD, HANDLING UNIT AND STAND FOR ACQUIRING A SAMPLE FROM A SEABED TOP LAYER**
[54] **METHODE, MODULE DE TRAITEMENT ET SUPPORT DESTINES A L'ACQUISITION D'UN ECHANTILLON D'UNE COUCHE SUPERIEURE DE FOND MARIN**
[72] LOOIJEN, PETER, NL
[73] FUGRO ENGINEERS B.V., NL
[86] (2872057)
[87] (2872057)
[22] 2014-11-25
[30] NL (2012885) 2014-05-26

---

[11] 2,873,141
[13] C
[51] **Int.Cl. C07C 51/47 (2006.01) C07C 57/03 (2006.01)**
[25] EN
[54] **SIMULATED MOVING BED CHROMATOGRAPHIC SEPARATION PROCESS**
[54] **PROCEDE DE SEPARATION CHROMATOGRAPHIQUE EN LIT MOBILE SIMULE**
[72] KELLIHER, ADAM, GB
[72] MORRISON, ANGUS, GB
[72] OROSKAR, ANIL, US
[72] NAIR REMA, RAKESH VIKRAMAN, US
[72] AGARWAL, ABHILESH, US
[73] BASF PHARMA (CALLANISH) LIMITED, GB
[86] (2873141)
[87] (2873141)
[22] 2010-12-24
[62] 2,785,742
[30] US (61/291184) 2009-12-30
[30] GB (0922707.5) 2009-12-30
[30] GB (1015343.5) 2010-09-14

[11] **2,873,374**
[13] C
[51] **Int.Cl. H04L 12/18 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROCESSING AN INTERACTIVE SERVICE**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT D'UN SERVICE INTERACTIF**
[72] OH, SEJIN, KR
[72] PARK, BYUNGSUN, KR
[72] MOON, KYOUNGSOO, KR
[72] THOMAS, GOMER, US
[72] AN, SEUNGJOO, KR
[72] LEE, JINWON, KR
[72] KIM, JINPIL, KR
[72] KIM, KYUNGHO, KR
[72] JI, AETTIE, KR
[73] LG ELECTRONICS INC., KR
[85] 2014-11-12
[86] 2013-06-25 (PCT/KR2013/005593)
[87] (WO2014/003408)
[30] US (61/664,150) 2012-06-25
[30] US (61/668,442) 2012-07-05
[30] US (61/680,279) 2012-08-07
[30] US (61/684,120) 2012-08-16
[30] US (61/767,260) 2013-02-21

---

[11] **2,874,551**
[13] C
[51] **Int.Cl. G11C 11/44 (2006.01) G11C 11/16 (2006.01) H01L 39/22 (2006.01)**
[25] EN
[54] **JOSEPHSON MAGNETIC MEMORY CELL SYSTEM**
[54] **SYSTEME DE CELLULE DE MEMOIRE MAGNETIQUE A EFFET JOSEPHSON**
[72] NAAMAN, OFER, US
[72] MILLER, DONALD, US
[72] HERR, ANNA Y., US
[72] BIRGE, NORMAN O., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[73] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[85] 2014-11-21
[86] 2013-05-14 (PCT/US2013/040950)
[87] (WO2013/180946)
[30] US (13/485,397) 2012-05-31

---

[11] **2,874,756**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C12N 9/12 (2006.01) G01N 33/53 (2006.01) C12Q 1/48 (2006.01)**
[25] EN
[54] **INHIBITORS OF BRUTON'S TYROSINE KINASE**
[54] **INHIBITEURS DE LA TYROSINE KINASE DE BRUTON**
[72] HONIGBERG, LEE, US
[72] VERNER, ERIK, US
[72] BUGGY, JOSEPH J., US
[72] LOURY, DAVID, US
[72] CHEN, WEI, US
[73] PHARMACYCLICS LLC, US
[86] (2874756)
[87] (2874756)
[22] 2008-03-27
[62] 2,681,756
[30] US (11/692,870) 2007-03-28
[30] US (11/964,285) 2007-12-26
[30] US (61/017,125) 2007-12-27

---

[11] **2,874,977**
[13] C
[51] **Int.Cl. E21B 49/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTIMIZING FACILITY LIMITED PRODUCTION AND INJECTION IN AN INTEGRATED RESERVOIR AND GATHERING NETWORK**
[54] **SYSTEMES ET PROCEDES POUR OPTIMISER LA PRODUCTION ET L'INJECTION A INSTALLATION LIMITEE DANS UN RESERVOIR INTEGRE ET UN RESEAU COLLECTEUR**
[72] FLEMING, GRAHAM CHRISTOPHER, US
[72] LU, QIN, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2014-11-26
[86] 2013-05-28 (PCT/US2013/042825)
[87] (WO2013/188088)
[30] US (61/660,660) 2012-06-15

---

[11] **2,875,848**
[13] C
[51] **Int.Cl. E21B 43/241 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING INJECTIVITY CONFORMANCE IN HETEROGENEOUS FORMATIONS**
[54] **PROCEDE POUR AMELIORER LA CONFORMANCE DE L'INJECTIVITE DANS DES FORMATIONS HETEROGENES**
[72] WOLLEN, WILLIAM CODY, CA
[73] HUSKY OIL OPERATIONS LIMITED, CA
[86] (2875848)
[87] (2875848)
[22] 2014-12-23

---

[11] **2,878,961**
[13] C
[51] **Int.Cl. H04H 60/33 (2009.01) H04H 20/46 (2009.01) H04H 60/76 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROJECTING VIEWERSHIP DATA**
[54] **SYSTEMES ET PROCEDES DE PROJECTION DE DONNEES D'AUDIENCE**
[72] VINSON, MICHAEL, US
[72] GOERLICH, BRUCE, US
[72] YAZDANI, AMIR, US
[72] LOPER, MARIA, US
[73] RENTRAK CORPORATION, US
[85] 2015-01-12
[86] 2013-08-22 (PCT/US2013/056288)
[87] (WO2014/031910)
[30] US (61/691,924) 2012-08-22

[11] **2,879,582**
[13] C
[51] **Int.Cl. B32B 17/10 (2006.01) G02F 1/17 (2006.01)**
[25] EN
[54] **SWITCHABLE ELECTRICAL COMPOSITE PANE ARRANGEMENT**
[54] **VITRAGE COMPOSITE ELECTRIQUE COMMUTABLE**
[72] VON DER WEIDEN, INGO, DE
[72] SZNERSKI, ANDREAS, DE
[72] PENNERS, FRANZ, DE
[72] MENNIG, JULIUS, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2015-01-20
[86] 2013-06-28 (PCT/EP2013/063628)
[87] (WO2014/023475)
[30] EP (12179771.6) 2012-08-09

---

[11] **2,881,694**
[13] C
[51] **Int.Cl. A47C 1/022 (2006.01) A47C 1/027 (2006.01) A47C 7/00 (2006.01)**
[25] EN
[54] **CHAIR BACK MECHANISM AND CONTROL ASSEMBLY**
[54] **MECANISME DE DOSSIER DE CHAISE ET ENSEMBLE DE COMMANDE**
[72] BATTEY, ROBERT J., US
[72] KARSTEN, GARY L., US
[72] HEIDMANN, KURT R., US
[72] HOLDREDGE, RUSSELL T., US
[72] ANDRES, TODD T., US
[73] STEELCASE INC., US
[85] 2015-02-10
[86] 2013-09-19 (PCT/US2013/060572)
[87] (WO2014/047259)
[30] US (61/703,677) 2012-09-20
[30] US (61/703,667) 2012-09-20
[30] US (61/703,666) 2012-09-20
[30] US (61/703,515) 2012-09-20
[30] US (61/703,663) 2012-09-20
[30] US (61/703,659) 2012-09-20
[30] US (61/703,661) 2012-09-20
[30] US (61/754,803) 2013-01-21
[30] US (14/029,176) 2013-09-17

---

[11] **2,882,578**
[13] C
[51] **Int.Cl. A47K 10/42 (2006.01)**
[25] EN
[54] **DISPENSER FOR SHEET PRODUCTS**
[54] **DISTRIBUTEUR POUR PRODUITS DE FEUILLE**
[72] BRICKL, JEFFREY, US
[72] RALEIGH, EDWARD A., US
[73] SCA HYGIENE PRODUCTS AB, SE
[85] 2015-02-19
[86] 2012-09-06 (PCT/EP2012/067403)
[87] (WO2014/037041)

---

[11] **2,882,799**
[13] C
[51] **Int.Cl. E21B 47/01 (2012.01) E21B 19/18 (2006.01) E21B 47/16 (2006.01)**
[25] EN
[54] **TURBINE DRILLING ASSEMBLY WITH NEAR DRILL BIT SENSORS**
[54] **ENSEMBLE DE FORAGE PAR TURBINE COMPORTANT DES CAPTEURS PROCHES DU FORET**
[72] DOWNIE, ANDREW M., GB
[72] CRAMPTON, CHRISTOPHER P., GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-02-19
[86] 2012-08-21 (PCT/US2012/051743)
[87] (WO2014/031108)

---

[11] **2,883,024**
[13] C
[51] **Int.Cl. E21B 47/08 (2012.01) E21B 47/085 (2012.01) E21B 43/22 (2006.01)**
[25] EN
[54] **DETERMINING SURFACE WETTING OF ROCK WITH CHANGING WELL FLUIDS**
[54] **DETERMINATION DU MOUILLAGE SUPERFICIEL DES ROCHES PAR LE CHANGEMENT DES FLUIDES DE FORAGE**
[72] PINDIPROLU, SAIRAM KS, IN
[72] GRAY, DENNIS WILLIE, US
[72] PALLA, VENKATA GOPALA RAO, IN
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-02-24
[86] 2013-07-09 (PCT/US2013/049637)
[87] (WO2014/035551)
[30] US (13/596,624) 2012-08-28

---

[11] **2,883,036**
[13] C
[51] **Int.Cl. H04N 19/13 (2014.01) H04N 19/122 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01) H04N 19/593 (2014.01) H04N 19/61 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LOSSLESS ENCODING AND DECODING**
[54] **PROCEDE ET APPAREIL DE CODAGE ET DECODAGE SANS PERTE**
[72] LEE, YUNG-LYUL, KR
[72] HAN, KI-HOON, KR
[72] LEE, YUNG-KI, KR
[73] SEJONG INDUSTRY-ACADEMY COOPERATION FOUNDATION, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2883036)
[87] (2883036)
[22] 2005-06-07
[62] 2,569,625
[30] KR (10-2004-0041399) 2004-06-07
[30] KR (10-2004-0058349) 2004-07-26

---

[11] **2,883,719**
[13] C
[51] **Int.Cl. B64F 5/40 (2017.01) B29C 65/48 (2006.01) B64C 1/12 (2006.01) B64C 3/26 (2006.01) B64D 45/02 (2006.01)**
[25] EN
[54] **COMPOSITE STRUCTURES HAVING BONDLINES WITH MATCHED ELECTRICAL CONDUCTIVITY**
[54] **STRUCTURES COMPOSITES AYANT DES LIGNES DE CONTACT PRESENTANT UNE CONDUCTIVITE ELECTRIQUE APPARIEE**
[72] ACKERMAN, PATRICE K., US
[72] HEIDLEBAUGH, DIANE L., US
[73] THE BOEING COMPANY, US
[85] 2015-03-02
[86] 2013-09-12 (PCT/US2013/059329)
[87] (WO2014/070313)
[30] US (13/663,543) 2012-10-30

[11] **2,885,260**
[13] C
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 21/10 (2006.01)**
[25] EN
[54] **REGULATING DRILLING FLUID PRESSURE IN A DRILLING FLUID CIRCULATION SYSTEM**
[54] **REGULATION DE LA PRESSION DE FLUIDE DE FORAGE DANS UN SYSTEME DE CIRCULATION DE FLUIDE DE FORAGE**
[72] OY, LARS, NO
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-03-17
[86] 2012-12-31 (PCT/IB2012/057842)
[87] (WO2014/102573)

---

[11] **2,885,975**
[13] C
[51] **Int.Cl. G07F 17/32 (2006.01) G06Q 20/10 (2012.01) G06Q 20/22 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADMINISTRATION AND TRACKING OF NON-WAGERING ACCOUNT ASSOCIATED WITH GAMING ENVIRONMENT**
[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION ET DE SUIVI D'UN COMPTE SANS ENJEUX ASSOCIE A UN ENVIRONNEMENT DE JEU**
[72] SANFORD, KIRK E., US
[72] SEARS, THOMAS M., US
[72] SATTAR, OMER, US
[73] SIGHTLINE INTERACTIVE LLC, US
[85] 2015-03-18
[86] 2013-09-27 (PCT/US2013/062074)
[87] (WO2014/052690)
[30] US (61/744,564) 2012-09-28
[30] US (14/033,492) 2013-09-22
[30] US (14/033,495) 2013-09-22
[30] US (14/033,493) 2013-09-22

---

[11] **2,886,145**
[13] C
[51] **Int.Cl. A61H 31/00 (2006.01)**
[25] EN
[54] **CARDIOPULMONARY RESUSCITATION DEVICE AND METHOD OF USE**
[54] **DISPOSITIF DE REANIMATION CARDIOPULMONAIRE ET PROCEDE D'UTILISATION**
[72] HANSON, JOSEPH, US
[73] HANSON, JOSEPH, US
[85] 2015-03-25
[86] 2012-09-25 (PCT/US2012/057112)
[87] (WO2014/051551)

---

[11] **2,887,741**
[13] C
[51] **Int.Cl. G21C 15/18 (2006.01) G05D 9/12 (2006.01)**
[25] EN
[54] **REACTOR CONTAINMENT COOLING SYSTEM AND NUCLEAR POWER PLANT**
[54] **SYSTEME DE REFROIDISSEUR DE CONFINEMENT DE REACTEUR ET CENTRALE NUCLEAIRE**
[72] IKEGAWA, TOMOHIKO, JP
[72] MATSUZAKI, TAKAHISA, JP
[73] HITACHI-GE NUCLEAR ENERGY, LTD., JP
[86] (2887741)
[87] (2887741)
[22] 2015-04-09
[30] JP (2014-081288) 2014-04-10
[30] JP (2014-113971) 2014-06-02

---

[11] **2,888,817**
[13] C
[51] **Int.Cl. E04D 1/28 (2006.01) B32B 3/02 (2006.01)**
[25] EN
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**
[72] BUZZA, STEPHEN A., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2888817)
[87] (2888817)
[22] 2015-04-22
[30] US (14/266,294) 2014-04-30

---

[11] **2,889,600**
[13] C
[51] **Int.Cl. E21B 17/06 (2006.01) E21B 17/02 (2006.01)**
[25] EN
[54] **MECHANICALLY ACTUATED DEVICE POSITIONED BELOW MECHANICALLY ACTUATED RELEASE ASSEMBLY UTILIZING J-SLOT DEVICE**
[54] **DISPOSITIF ACTIONNE PAR VOIE MECANIQUE PLACE SOUS UN ENSEMBLE DE LIBERATION ACTIONNE PAR VOIE MECANIQUE UTILISANT UN DISPOSITIF A FENTE EN J**
[72] STAUTZENBERGER, ARTHUR, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-04-23
[86] 2012-10-26 (PCT/US2012/062097)
[87] (WO2014/065814)

---

[11] **2,891,318**
[13] C
[51] **Int.Cl. E21B 4/00 (2006.01) E21B 41/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **DOWNHOLE BLADELESS GENERATOR**
[54] **GENERATEUR SANS AUBES DE FOND DE TROU**
[72] DOWNING, ANDREW JAMES, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-05-12
[86] 2012-12-28 (PCT/US2012/072099)
[87] (WO2014/105053)

[11] **2,891,774**
[13] C
[51] **Int.Cl. G06T 9/00 (2006.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING AND DECODING IMAGE THROUGH INTRA PREDICTION**
[54] **PROCEDE ET APPAREIL POUR CODER ET DECODER UNE IMAGE PAR INTRA-PREDICTION**
[72] MIN, JUNG-HYE, KR
[72] LEE, SUN-IL, KR
[72] HAN, WOO-JIN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2891774)
[87] (2891774)
[22] 2011-07-15
[62] 2,805,230
[30] US (61/364,986) 2010-07-16
[30] KR (10-2010-0097424) 2010-10-06

---

[11] **2,892,053**
[13] C
[51] **Int.Cl. C09K 11/07 (2006.01) G01N 21/76 (2006.01)**
[25] EN
[54] **MULTI-LAYER DEVICE FOR SELECTIVELY DETERMINING MAGNESIUM ION**
[54] **DISPOSITIF MULTICOUCHE POUR DETERMINATION SELECTIVE D'IONS DE MAGNESIUM**
[72] ZHU, PETER CHAOQUAN, US
[72] WU, YINGZI, US
[73] OPTI MEDICAL SYSTEMS, INC., US
[85] 2015-05-21
[86] 2013-11-20 (PCT/US2013/071004)
[87] (WO2014/085160)
[30] US (13/689,350) 2012-11-29

---

[11] **2,892,130**
[13] C
[51] **Int.Cl. A23L 27/40 (2016.01) A23L 27/00 (2016.01) A23P 10/20 (2016.01) B29B 9/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF LOW SODIUM SALT AND METHODS OF MAKING AND USING**
[54] **COMPOSITIONS DE SEL A FAIBLE TENEUR EN SODIUM ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] OSTERWALDER, NEIL, US
[72] CHIGURUPATI, SAMBASIVA RAO, US
[72] BHANDARI, PRATIK NANDAN, IN
[73] S&P INGREDIENT DEVELOPMENT LLC, US
[85] 2015-05-20
[86] 2013-11-21 (PCT/US2013/071316)
[87] (WO2014/081968)
[30] US (61/729,199) 2012-11-21

---

[11] **2,892,317**
[13] C
[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **INCORPORATION OF CONTENT FROM AN EXTERNAL FOLLOWED USER WITHIN A SOCIAL NETWORKING SYSTEM**
[54] **INCORPORATION D'UN CONTENU PROVENANT D'UN UTILISATEUR SUIVI EXTERNE DANS UN SYSTEME DE RESEAUTAGE SOCIAL**
[72] SADAN, YARIV, US
[72] RAIT, ZACHARY ETHAN CARPEN, US
[72] HAUGEN, AUSTIN DANIEL, US
[73] FACEBOOK, INC., US
[85] 2015-05-21
[86] 2014-01-14 (PCT/US2014/011506)
[87] (WO2014/120435)
[30] US (13/756,122) 2013-01-31

---

[11] **2,892,496**
[13] C
[51] **Int.Cl. C09K 8/12 (2006.01)**
[25] EN
[54] **DISPERSION SOLUTION FOR DRILLING AND METHOD OF EXTRACTING UNDERGROUND RESOURCES USING THE DISPERSION SOLUTION**
[54] **DISPERSION FLUIDE POUR FORAGE ET PROCEDE D'EXTRACTION POUR DES RESSOURCES SOUTERRAINES L'UTILISANT**
[72] YOSHIKAWA, SEISHI, JP
[72] KATAYAMA, TSUTAKI, JP
[73] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[85] 2015-05-25
[86] 2013-12-12 (PCT/JP2013/083305)
[87] (WO2014/092146)
[30] JP (2012-271083) 2012-12-12
[30] JP (2013-028031) 2013-02-15
[30] JP (2013-160063) 2013-08-01

---

[11] **2,892,758**
[13] C
[51] **Int.Cl. A61M 5/168 (2006.01)**
[25] EN
[54] **SELECTIVELY CONTROLLING FLUID FLOW THROUGH A FLUID PATHWAY**
[54] **COMMANDE SELECTIVE DE L'ECOULEMENT DE FLUIDE PAR L'INTERMEDIAIRE D'UNE VOIE DE FLUIDE**
[72] PRINCE, STEPHEN M., US
[72] BOCHENKO, WALTER J., US
[72] DE CHILDERS, WINTHROP, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-05-26
[86] 2013-11-26 (PCT/US2013/071891)
[87] (WO2014/085395)
[30] US (61/731,469) 2012-11-29

[11] **2,892,940**
[13] C
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 21/01 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **DRILLING A WELL WITH PREDICTING SAGGED FLUID COMPOSITION AND MUD WEIGHT**
[54] **FORAGE D'UN PUITS PAR PREDICTION DU POIDS DE LA BOUE ET DE LA COMPOSITION DU FLUIDE AFFAISSE**
[72] KULKARNI, SANDEEP D., US
[72] TEKE, KUSHABHAU D., IN
[72] SAVARI, SHARATH, US
[72] JAMISON, DALE E., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-05-22
[86] 2013-12-05 (PCT/US2013/073237)
[87] (WO2014/113144)
[30] US (13/745,944) 2013-01-21

[11] **2,893,252**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 1/10 (2006.01) C07K 1/14 (2006.01) C07K 1/22 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING ANTIBODY MAYTANSINOID CONJUGATES**
[54] **PROCEDE DE PREPARATION DE CONJUGUES MAYTANSINOIDES-ANTICORPS**
[72] DAI, YONG, US
[72] WANG, YONG, US
[72] JIN, SHENGJIN, US
[72] MESHULAM, DEBORAH H., US
[72] AMPHLETT, GODFREY W., US
[73] IMMUNOGEN, INC., US
[86] (2893252)
[87] (2893252)
[22] 2006-08-14
[62] 2,794,554
[30] US (60/710,858) 2005-08-24
[30] US (60/797,713) 2006-05-04

[11] **2,893,408**
[13] C
[51] **Int.Cl. F03D 1/06 (2006.01)**
[25] EN
[54] **ROTOR BLADE TRAILING EDGE**
[54] **BORD DE FUITE DE PALE DE ROTOR**
[72] ALTMIKUS, ANDREE, DE
[72] KAMRUZZAMAN, MOHAMMAD, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2015-05-28
[86] 2013-12-05 (PCT/EP2013/075647)
[87] (WO2014/086919)
[30] DE (10 2012 023 895.9) 2012-12-07
[30] DE (10 2013 202 881.4) 2013-02-21

[11] **2,893,733**
[13] C
[51] **Int.Cl. F24V 30/00 (2018.01) H01M 8/04029 (2016.01) F24D 3/08 (2006.01) F24D 15/00 (2006.01) F24H 1/00 (2006.01) F24H 9/00 (2006.01)**
[25] EN
[54] **BOILER SYSTEM USING FUEL CELL**
[54] **SYSTEME DE CHAUDIERE UTILISANT UNE PILE A COMBUSTIBLE**
[72] LEE, JUNG UN, KR
[72] LEE, DEOKGWON, KR
[72] LEE, DAENYEONG, KR
[72] KIM, INCHAN, KR
[72] KIM, EUN JUNG, KR
[72] SON, SEUNGKIL, KR
[72] SHIN, SEOCKJAE, KR
[72] KIM, JONGMIN, KR
[72] KIM, JINHYEONG, KR
[73] KYUNGDONG NAVIEN CO., LTD., KR
[73] KOREA GAS SAFETY CORPORATION, KR
[85] 2015-06-03
[86] 2013-12-09 (PCT/KR2013/011338)
[87] (WO2014/104610)
[30] KR (10-2012-0157457) 2012-12-28

[11] **2,893,887**
[13] C
[51] **Int.Cl. E21B 23/10 (2006.01) E21B 19/22 (2006.01) E21B 21/00 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **FILL UP TOOL**
[54] **OUTIL DE REMPLISSAGE**
[72] WIENS, JIMMY DUANE, US
[72] GUTSU, YURY P., US
[72] THOMAS, BENSON, US
[72] HEIDECKE, KARSTEN, US
[72] HOLLINGSWORTH, JIM, US
[72] BOUTWELL, DOYLE FREDRIC JR., US
[72] STEPHENS, RODNEY, US
[72] THOMPSON, RUSSELL W., US
[72] ZIMMERMANN, PATRICK JAMES, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2893887)
[87] (2893887)
[22] 2011-08-09
[62] 2,807,650
[30] US (61/372,052) 2010-08-09
[30] US (61/401,193) 2010-08-09
[30] US (61/516,137) 2011-03-30

[11] **2,894,154**
[13] C
[51] **Int.Cl. E04G 21/18 (2006.01) G01B 3/00 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **EMBEDMENT POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT D'ENROBAGES**
[72] MOELLER, LARRY, US
[72] DINA, DANIEL, US
[72] WATSON, WILLIAM TODD, US
[72] DAVIS, GEORGE MATTHEW, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2015-06-05
[86] 2013-12-06 (PCT/US2013/073483)
[87] (WO2014/089391)
[30] US (61/734,710) 2012-12-07
[30] US (14/095,039) 2013-12-03

[11] **2,894,535**
[13] C
[51] **Int.Cl. C10J 3/20 (2006.01) C10G 1/00 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE COUNTERCURRENT VORTEX REACTOR SYSTEM, METHOD AND APPARATUS**
[54] **SYSTEME DE REACTEUR A CONTRE-COURANT TOURBILLONNAIRE ET A HAUTE TEMPERATURE ET PROCEDE ET APPAREIL ASSOCIES**
[72] FORET, TODD, US
[73] FORET PLASMA LABS, LLC, US
[85] 2015-06-09
[86] 2013-12-11 (PCT/US2013/074506)
[87] (WO2014/093560)
[30] US (61/735,996) 2012-12-11
[30] US (14/103,820) 2013-12-11

---

[11] **2,895,322**
[13] C
[51] **Int.Cl. E01H 5/00 (2006.01) E01H 5/04 (2006.01)**
[25] EN
[54] **TRAILING SHIELD FOR A SNOW REMOVAL DEVICE**
[54] **PROTECTEUR ARRIERE DESTINE A UN APPAREIL D'ENLEVEMENT DE LA NEIGE**
[72] BULLINGTON, SHAWN, US
[72] HOLLOWAY, MARK, US
[73] HUSQVARNA AB, SE
[86] (2895322)
[87] (2895322)
[22] 2011-08-31
[62] 2,847,402

---

[11] **2,896,323**
[13] C
[51] **Int.Cl. A47B 49/00 (2006.01) A47F 3/06 (2006.01) A47F 5/05 (2006.01)**
[25] EN
[54] **APPARATUS FOR KEEPING PACKAGES CONTAINING SMOKING ARTICLES**
[54] **APPAREIL DE STOCKAGE DE PAQUETS CONTENANT DES ARTICLES A FUMER**
[72] CHENG, YA-HUI, TW
[73] JT INTERNATIONAL S.A., CH
[85] 2015-06-25
[86] 2013-11-20 (PCT/EP2013/074235)
[87] (WO2014/102033)
[30] EP (12199589.8) 2012-12-28

---

[11] **2,896,438**
[13] C
[51] **Int.Cl. G01D 5/32 (2006.01) E21B 47/06 (2012.01) G01K 11/32 (2006.01) G01L 11/02 (2006.01)**
[25] EN
[54] **SMALL PROFILE PRESSURE AND TEMPERATURE GAUGES**
[54] **JAUGES DE PRESSION ET DE TEMPERATURE A PROFIL REDUIT**
[72] TAVERNER, DOMINO, US
[72] GRUNBECK, JOHN J., US
[72] DUNPHY, JAMES, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2896438)
[87] (2896438)
[22] 2015-07-03
[30] US (14/330,338) 2014-07-14

---

[11] **2,897,008**
[13] C
[51] **Int.Cl. B29C 45/04 (2006.01) A61C 7/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD USABLE WITH AN INJECTION MOLDER FOR PRODUCING ARTICLES, IN PARTICULAR ORTHODONTIC BRACKETS**
[54] **APPAREIL ET PROCEDE APTES A ETRE UTILISES AVEC UN DISPOSITIF DE MOULAGE PAR INJECTION POUR LA PRODUCTION D'ARTICLES, EN PARTICULIER DE VERROUS ORTHODONTIQUES OU "BRACKETS"**
[72] ANDERSON, MICHAEL, US
[72] MARONEY, DAVID RICHARD, US
[73] DENTSPLY INTERNATIONAL, INC., US
[85] 2015-06-30
[86] 2014-01-13 (PCT/US2014/011219)
[87] (WO2014/110479)
[30] US (61/751,591) 2013-01-11

---

[11] **2,897,314**
[13] C
[51] **Int.Cl. H03F 3/68 (2006.01) H03F 3/217 (2006.01) H03F 3/72 (2006.01)**
[25] EN
[54] **PROGRAMMABLY CONFIGURED SWITCHMODE AUDIO AMPLIFIER**
[54] **AMPLIFICATEUR AUDIO A MODE DE COMMUTATION CONFIGURE DE MANIERE PROGRAMMABLE**
[72] QUILTER, PATRICK H., US
[72] RODRIGUEZ, MANNY, US
[72] MERCS, LAURA, US
[72] SANDBERG, DALE, US
[72] SKOGMO, MATTHEW, US
[73] QSC, LLC, US
[85] 2015-07-06
[86] 2014-01-09 (PCT/US2014/010925)
[87] (WO2014/110289)
[30] US (61/750,744) 2013-01-09
[30] US (13/777,975) 2013-02-26

---

[11] **2,898,135**
[13] C
[51] **Int.Cl. E21B 10/00 (2006.01) C23C 28/04 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **METHODS OF MITIGATING BITUMINOUS MATERIAL ADHESION USING NANO-PARTICLES**
[54] **PROCEDES D'ATTENUATION DE L'ADHERENCE DE MATIERE BITUMINEUSE EN UTILISANT DE NANOPARTICULES**
[72] HALL, LEE J., US
[72] LIVANEC, PHILIP W., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-07-13
[86] 2014-03-27 (PCT/US2014/032067)
[87] (WO2014/160890)
[30] US (13/851,374) 2013-03-27

[11] **2,898,852**
[13] C
[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **USER INTERFACE FOR TOOLBAR NAVIGATION**
[54] **INTERFACE UTILISATEUR POUR NAVIGATION DANS UNE BARRE D'OUTILS**
[72] HARVEY, KEITH D., US
[73] HEXAGON TECHNOLOGY CENTER GMBH, CH
[85] 2015-07-21
[86] 2014-01-16 (PCT/US2014/011805)
[87] (WO2014/143405)
[30] US (61/777,039) 2013-03-12
[30] US (14/155,457) 2014-01-15

---

[11] **2,899,813**
[13] C
[51] **Int.Cl. C21D 1/74 (2006.01) C21D 1/06 (2006.01) C21D 1/30 (2006.01) C21D 1/76 (2006.01) C21D 7/00 (2006.01) C23C 8/24 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **HEAT TREATMENT PRODUCTION FIXTURE FOR DOWNHOLE ASSEMBLY**
[54] **APPAREIL DE PRODUCTION DE TRAITEMENT THERMIQUE POUR ASSEMBLAGE DE FOND DE TROU**
[72] WEBSTER, OLIVER, GB
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2015-07-29
[86] 2014-03-14 (PCT/GB2014/050797)
[87] (WO2014/140618)
[30] GB (1304771.7) 2013-03-15

---

[11] **2,900,065**
[13] C
[51] **Int.Cl. B65D 75/58 (2006.01) A47G 21/00 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **CONTAINER HAVING A TEARABLE OPENING**
[54] **CONTENANT A OUVERTURE DECHIRABLE**
[72] D'AMATO, GIANFRANCO, IT
[73] SEDA INTERNATIONAL PACKAGING GROUP SPA, IT
[85] 2015-08-03
[86] 2014-02-14 (PCT/IB2014/000156)
[87] (WO2014/125361)
[30] IT (RM2013U000034) 2013-02-14

---

[11] **2,900,451**
[13] C
[51] **Int.Cl. H04L 25/02 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **DESIGN FOR SMALL CELL DEMODULATION REFERENCE SIGNAL AND INITIAL SYNCHRONIZATION**
[54] **CONCEPTION DE SIGNAL DE REFERENCE DE DEMODULATION ET DE SYNCHRONISATION INITIALE DE PETITE CELLULE**
[72] XU, HUA, CA
[72] GAO, SHIWEI, CA
[72] ZHU, YAJUN, CN
[72] CAI, ZHIJUN, US
[72] BONTU, CHANDRA SEKHAR, CA
[72] SONG, YI, US
[73] BLACKBERRY LIMITED, CA
[85] 2015-08-06
[86] 2013-02-14 (PCT/US2013/026195)
[87] (WO2014/126572)

---

[11] **2,900,480**
[13] C
[51] **Int.Cl. H01M 2/16 (2006.01) H01M 10/0525 (2010.01) H01M 10/058 (2010.01) A61F 9/00 (2006.01) H01M 2/18 (2006.01) H01M 4/04 (2006.01)**
[25] EN
[54] **METHODS OF FORMING BIOCOMPATIBLE RECHARGEABLE ENERGIZATION ELEMENTS FOR BIOMEDICAL DEVICES**
[54] **METHODES DE FORMATION D'ELEMENTS D'ENERGISATION RECHARGEABLES BIOCOMPATIBLES POUR DISPOSITIFS MEDICAUX**
[72] FLITSCH, FREDERICK A., US
[72] MAHADEVAN, SHIVKUMAR, US
[72] OTTS, DANIEL B., US
[72] TONER, ADAM, US
[72] RIALL, JAMES DANIEL, US
[72] PUGH, RANDALL B., US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[86] (2900480)
[87] (2900480)
[22] 2015-08-17
[30] US (62/040,178) 2014-08-21
[30] US (14/746,231) 2015-06-22

---

[11] **2,900,550**
[13] C
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/116 (2006.01) E21B 43/14 (2006.01) E21B 47/12 (2012.01) H04B 5/00 (2006.01)**
[25] EN
[54] **WELLBORE SERVICING TOOLS, SYSTEMS AND METHODS UTILIZING NEAR-FIELD COMMUNICATION**
[54] **OUTILS, SYSTEMES ET PROCEDES D'ENTRETIEN DE TROU DE FORAGE UTILISANT LA COMMUNICATION EN CHAMP PROCHE**
[72] WALTON, ZACHARY WILLIAM, US
[72] HOWELL, MATTHEW TODD, US
[72] FRIPP, MICHAEL LINLEY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-08-06
[86] 2014-02-20 (PCT/US2014/017312)
[87] (WO2014/163817)
[30] US (61/778,312) 2013-03-12
[30] US (13/914,004) 2013-06-10

---

[11] **2,900,552**
[13] C
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/116 (2006.01) E21B 43/14 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **WELLBORE SERVICING TOOLS, SYSTEMS AND METHODS UTILIZING NEAR-FIELD COMMUNICATION**
[54] **OUTILS, SYSTEMES ET PROCEDES D'ENTRETIEN DE TROU DE FORAGE UTILISANT LA COMMUNICATION DE CHAMP PROCHE**
[72] WALTON, ZACHARY WILLIAM, US
[72] HOWELL, MATTHEW TODD, US
[72] FRIPP, MICHAEL LINLEY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-08-06
[86] 2014-02-20 (PCT/US2014/017313)
[87] (WO2014/163818)
[30] US (61/778,312) 2013-03-12
[30] US (13/914,114) 2013-06-10

[11] **2,900,554**
[13] C
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 47/13 (2012.01) E21B 43/12 (2006.01) E21B 43/14 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **WELLBORE SERVICING TOOLS, SYSTEMS AND METHODS UTILIZING NEAR-FIELD COMMUNICATION**
[54] **OUTILS, SYSTEMES ET PROCEDES D'ENTRETIEN DE PUITS DE FORAGE UTILISANT UNE COMMUNICATION EN CHAMP PROCHE**
[72] WALTON, ZACHARY WILLIAM, US
[72] HOWELL, MATTHEW TODD, US
[72] FRIPP, MICHAEL LINLEY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-08-06
[86] 2014-02-20 (PCT/US2014/017315)
[87] (WO2014/163820)
[30] US (61/778,312) 2013-03-12
[30] US (13/914,177) 2013-06-10

[11] **2,900,673**
[13] C
[51] **Int.Cl. F16H 21/20 (2006.01)**
[25] EN
[54] **VARIABLE LINEAR MOTOR**
[54] **MOTEUR LINEAIRE VARIABLE**
[72] PANSKY, AMIR, IL
[72] BEN MOSHE, EYAL, IL
[72] SPECTOR, BEN, ZION, IL
[73] MEDINOL LTD., IL
[85] 2015-08-07
[86] 2014-01-30 (PCT/IB2014/001963)
[87] (WO2014/199234)
[30] US (13/761,507) 2013-02-07

[11] **2,901,891**
[13] C
[51] **Int.Cl. E21C 35/18 (2006.01) E21C 35/19 (2006.01)**
[25] EN
[54] **WEAR PROTECTION CAP**
[54] **CAPUCHON DE PROTECTION CONTRE L'USURE**
[72] LEMMEY, PAUL ANTHONY, AU
[72] MOORBY, JAMIE SINCLAIR, AU
[72] RONEY, BRETT GEORGE, AU
[73] WIRTGEN GMBH, DE
[86] (2901891)
[87] (2901891)
[22] 2015-08-26
[30] DE (102014112539.8) 2014-09-01

[11] **2,902,200**
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 15/16 (2006.01) G06F 17/21 (2006.01)**
[25] EN
[54] **CACHING PAGELETS OF STRUCTURED DOCUMENTS**
[54] **MISE EN CACHE DE PAGELETS DE DOCUMENTS STRUCTURES**
[72] ZHANG, ZIXIAO, US
[72] WEI, XIAOLIANG, US
[73] FACEBOOK, INC., US
[85] 2015-08-21
[86] 2014-02-27 (PCT/US2014/018827)
[87] (WO2014/134234)
[30] US (13/782,937) 2013-03-01

[11] **2,902,998**
[13] C
[51] **Int.Cl. F02C 7/24 (2006.01) F01D 1/02 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **LOW NOISE TURBINE FOR GEARED GAS TURBINE ENGINE**
[54] **TURBINE PEU BRUYANTE POUR TURBINE A GAZ A ENGRENAGES**
[72] MORIN, BRUCE L., US
[72] KORTE, DETLEF, DE
[73] UNITED TECHNOLOGIES CORPORATION, US
[73] MTU AERO ENGINES AG, DE
[85] 2015-08-27
[86] 2014-03-10 (PCT/US2014/022512)
[87] (WO2014/159206)
[30] US (61/781,170) 2013-03-14
[30] US (13/970,670) 2013-08-20

[11] **2,905,298**
[13] C
[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM OF DETECTING AND USING GEOFENCING FOR FRAUD DETECTION AND MODELING**
[54] **PROCEDE ET SYSTEME DE DETECTION ET D'UTILISATION DE GEOREPERAGE POUR UNE DETECTION DE FRAUDE ET MODELISATION**
[72] WIESMAN, MARK, US
[72] GERBER, THEUNIS JOHANNES, US
[72] MEYER, SUSAN MARIE, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2015-09-10
[86] 2014-03-07 (PCT/US2014/021720)
[87] (WO2014/164284)
[30] US (13/795,169) 2013-03-12

[11] **2,907,464**
[13] C
[51] **Int.Cl. C25B 15/00 (2006.01) C25B 9/04 (2006.01) C25B 9/18 (2006.01) C25B 1/04 (2006.01)**
[25] EN
[54] **ELECTROLYSIS STACK AND ELECTROLYZER**
[54] **EMPILEMENT ELECTROLYTIQUE POUR ELECTROLYSEUR**
[72] HAHN, ALEXANDER, DE
[72] HEROLD, JOCHEN, DE
[72] WEIDAUER, JENS, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2015-09-17
[86] 2014-02-28 (PCT/EP2014/053947)
[87] (WO2014/146885)
[30] DE (10 2013 204 758.4) 2013-03-19
[30] EP (13181180.4) 2013-08-21

[11] **2,907,505**
[13] C
[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **MODULAR BEVERAGE MAKING AND DISPENSING APPARATUS**
[54] **APPAREIL MODULAIRE DE FABRICATION ET DE DISTRIBUTION DE BOISSONS**
[72] WALDRON, COREY, US
[72] FORBING, ARIC, US
[73] MODBAR, LLC., US
[85] 2015-09-16
[86] 2014-03-28 (PCT/IB2014/060255)
[87] (WO2014/167452)
[30] EP (13163379.4) 2013-04-11

[11] **2,907,669**
[13] C
[51] **Int.Cl. B32B 37/12 (2006.01) B05C 1/08 (2006.01) B05C 1/12 (2006.01)**
[25] EN
[54] **UNIT FOR SPREADING AN ADHESIVE ONTO A MOVING FILM**
[54] **UNITE D'APPLICATION D'ADHESIF SUR UN FILM MOBILE**
[72] CERCIELLO, ANTONIO, IT
[73] NORDMECCANICA S.P.A., IT
[85] 2015-09-21
[86] 2014-03-20 (PCT/IB2014/060002)
[87] (WO2014/155251)
[30] IT (PC2013A000011) 2013-03-27

[11] **2,907,935**
[13] C
[51] **Int.Cl. A44B 13/00 (2006.01) F16B 45/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A LOCKING DOUBLE CARABINEER**
[54] **SYSTEMES ET PROCEDES POUR UN DOUBLE MOUSQUETON DE VERROUILLAGE**
[72] ORMSBEE, BOWDEN, US
[72] ZAGONE, PETER, US
[73] NITE IZE, INC., US
[85] 2015-09-22
[86] 2014-01-06 (PCT/US2014/010331)
[87] (WO2014/107659)
[30] US (61/749,342) 2013-01-06

---

[11] **2,910,273**
[13] C
[51] **Int.Cl. B01D 33/03 (2006.01)**
[25] EN
[54] **SCREEN HAVING FRAME MEMBERS WITH ANGLED SURFACE(S)**
[54] **CRIBLE POSSEDANT DES ELEMENTS CADRES A SURFACE(S) INCLINEE(S)**
[72] RALPH, ANDREW, GB
[72] ROBERTSON, GRAHAM, GB
[73] M-I DRILLING FLUIDS UK LTD., GB
[85] 2015-10-23
[86] 2014-04-30 (PCT/US2014/036273)
[87] (WO2014/179512)
[30] US (61/817,482) 2013-04-30

---

[11] **2,910,571**
[13] C
[51] **Int.Cl. A01M 1/20 (2006.01)**
[25] EN
[54] **INSECT BAIT STAKE**
[54] **PIQUET APPAT POUR INSECTES**
[72] KING, ANDREW N., US
[73] WOODSTREAM CORPORATION, US
[85] 2015-10-26
[86] 2014-04-25 (PCT/US2014/035463)
[87] (WO2014/186110)
[30] US (13/897,224) 2013-05-17

---

[11] **2,910,964**
[13] C
[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **INDEPENDENT RESAMPLING AND SELECTION OF REFERENCE PICTURES FOR DIFFERENT INTER-LAYER PREDICTION TYPES**
[54] **REECHANTILLONNAGE ET SELECTION INDEPENDANTS D'IMAGES DE REFERENCE POUR DIFFERENTS TYPES DE PREDICTION INTER-COUCHES**
[72] SEREGIN, VADIM, US
[72] WANG, YE-KUI, US
[73] QUALCOMM INCORPORATED, US
[85] 2015-10-29
[86] 2014-06-09 (PCT/US2014/041497)
[87] (WO2014/200894)
[30] US (61/833,836) 2013-06-11
[30] US (61/859,702) 2013-07-29
[30] US (14/298,308) 2014-06-06

---

[11] **2,911,024**
[13] C
[51] **Int.Cl. H01M 8/2475 (2016.01)**
[25] EN
[54] **FUEL CELL DEVICE**
[54] **DISPOSITIF DE PILE A COMBUSTIBLE**
[72] TAKEYAMA, MAKOTO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911024)
[87] (2911024)
[22] 2015-11-03
[30] JP (2014-225762) 2014-11-06

---

[11] **2,911,208**
[13] C
[51] **Int.Cl. C07C 69/734 (2006.01) C08F 222/10 (2006.01) C09D 4/00 (2006.01) C09D 4/06 (2006.01)**
[25] FR
[54] **MULTIFUNCTIONAL ACRYLATED ETHER-ESTER PRODUCTS, PROCESS FOR PREPARING SAME AND RELATED CROSSLINKABLE COMPOSITIONS**
[54] **PRODUITS ETHER-ESTERS ACRYLES MULTIFONCTIONNELS, PROCEDE DE PREPARATION ET COMPOSITIONS RETICULABLES LIEES**
[72] CICERON, PHILIPPE, FR
[73] ARKEMA FRANCE, FR
[85] 2015-11-02
[86] 2014-05-20 (PCT/FR2014/051174)
[87] (WO2014/188117)
[30] FR (1354651) 2013-05-23

---

[11] **2,911,452**
[13] C
[51] **Int.Cl. A61M 5/168 (2006.01) A61B 5/15 (2006.01) A61B 5/154 (2006.01) A61M 39/24 (2006.01) G05D 7/01 (2006.01)**
[25] EN
[54] **VACUUM PRESSURE REGULATORS FOR USE DURING BLOOD COLLECTION**
[54] **REGULATEURS DE PRESSION NEGATIVE POUR UTILISATION LORS D'UN PRELEVEMENT DE SANG**
[72] RUSS, CRAIG OWEN, US
[72] CHIA, NEVILLE YU LENG, SG
[72] CRAWFORD, JAMIESON W., SE
[72] SMITH, KENNETH JAMES, US
[72] WILKINSON, BRADLEY M., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-11-05
[86] 2013-05-15 (PCT/US2013/041181)
[87] (WO2014/185905)

[11] **2,912,012**
[13] C
[51] **Int.Cl. C08L 5/00 (2006.01) A23K 20/163 (2016.01) A23L 29/269 (2016.01) A23L 33/21 (2016.01) A61K 31/715 (2006.01) A61K 31/716 (2006.01) A61K 35/66 (2015.01) A61K 36/06 (2006.01) C12P 19/00 (2006.01) C12P 19/04 (2006.01)**
[25] EN
[54] **PRODUCTION OF BETA-GLUCANS AND MANNANS**
[54] **PRODUCTION DE BETA-GLUCANES ET DE MANNANES**
[72] SEDMAK, JOSEPH JAMES, US
[73] SENSIENT FLAVORS INC., US
[86] (2912012)
[87] (2912012)
[22] 2006-05-05
[62] 2,607,004
[30] US (60/677,973) 2005-05-05

---

[11] **2,912,752**
[13] C
[51] **Int.Cl. E21B 15/00 (2006.01)**
[25] EN
[54] **DRILL BASKET**
[54] **PANIER DE FORAGE**
[72] JOHNSON, TROY DEAN, CA
[73] SASKATOON MATERIAL HANDLING LTD., CA
[86] (2912752)
[87] (2912752)
[22] 2015-11-23

---

[11] **2,913,187**
[13] C
[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/25 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL COMPOSITION INDICATIVE OF PROPER TOOTH CLEANING**
[54] **COMPOSITION BUCCO-DENTAIRE INDICATIVE D'UN NETTOYAGE APPROPRIE DES DENTS**
[72] STRAND, ROSS, CN
[72] LI, YUJUN, CN
[72] ZHANG, YIQUN, CN
[72] LI, XIAOXIAO, CN
[72] BAO, HANBO, CN
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-11-23
[86] 2013-06-24 (PCT/CN2013/077765)
[87] (WO2014/205623)

---

[11] **2,914,106**
[13] C
[51] **Int.Cl. A01D 75/18 (2006.01) A01F 15/10 (2006.01)**
[25] EN
[54] **PROCESSING CONVEYANCE FOR AN AGRICULTURAL BALER WITH NON-CROP MATERIAL RELEASING SIEVE**
[54] **MOYEN DE TRANSPORT DE TRAITEMENT POUR PRESSE A BALLES AGRICOLES COMPRENANT UN TAMIS A LIBERATION DE MATERIAUX NON AGRICOLES**
[72] NAEYAERT, KAREL, BE
[72] STAELENS, PATRICK, BE
[72] DE GERSEM, HANS JOSEPH, BE
[73] CNH INDUSTRIAL BELGIUM NV, BE
[85] 2015-12-01
[86] 2014-07-08 (PCT/EP2014/064645)
[87] (WO2015/004153)
[30] BE (BE2013/0481) 2013-07-10

---

[11] **2,914,384**
[13] C
[51] **Int.Cl. A61F 9/01 (2006.01)**
[25] EN
[54] **DEVICE FOR LASER TREATMENT OF A HUMAN EYE**
[54] **APPAREIL DE TRAITEMENT AU LASER D'UN OEIL HUMAIN**
[72] MARTIN, PETER, DE
[73] WAVELIGHT GMBH, DE
[86] (2914384)
[87] (2914384)
[22] 2015-12-09
[30] DE (10 2015 000 913.3) 2015-01-26

---

[11] **2,915,752**
[13] C
[51] **Int.Cl. B65D 1/02 (2006.01) B65D 1/40 (2006.01) B65D 21/032 (2006.01)**
[25] FR
[54] **STACKABLE BOTTLE WITH ELEVATED NECK**
[54] **BOUTEILLE EMPILABLE A GOULOT SURELEVE**
[72] AUBIN, REGENT, CA
[73] AUBIN, REGENT, CA
[86] (2915752)
[87] (2915752)
[22] 2015-12-23

---

[11] **2,917,342**
[13] C
[51] **Int.Cl. C25C 3/18 (2006.01)**
[25] EN
[54] **ELECTROLYTE FOR OBTAINING MELTS USING AN ALUMINUM ELECTROLYZER**
[54] **ELECTROLYTE PERMETTANT D'OBTENIR DES SUBSTANCES FONDUES AU MOYEN D'UN ELECTROLYSEUR D'ALUMINIUM**
[72] SIMAKOV, DMITRIY ALEKSANDROVICH, RU
[72] GUSEV, ALEKSANDR OLEGOVICH, RU
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2016-01-04
[86] 2013-07-09 (PCT/RU2013/000590)
[87] (WO2015/005817)

---

[11] **2,917,403**
[13] C
[51] **Int.Cl. C09K 8/03 (2006.01) C06B 25/00 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **ENERGETIC COCRYSTALS FOR TREATMENT OF A SUBTERRANEAN FORMATION**
[54] **COCRISTAUX D'ENERGIE POUR LE TRAITEMENT D'UNE FORMATION SOUTERRAINE**
[72] SCHULTHEISS, NATHAN CARL, US
[72] HOLTSCLAW, JEREMY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-01-05
[86] 2013-08-27 (PCT/US2013/056825)
[87] (WO2015/030730)

[11] **2,917,457**
[13] C
[51] **Int.Cl. C09D 127/08 (2006.01) B27K 3/15 (2006.01) C09D 163/10 (2006.01) C09D 167/07 (2006.01) C09D 171/00 (2006.01) C09D 175/16 (2006.01)**
[25] EN
[54] **COATINGS FOR THE BACKSIDES OF WOODEN BOARDS**
[54] **REVETEMENTS POUR LES DOS DE PLANCHES EN BOIS**
[72] GRUNEWALDER, JOHN F., US
[72] TEMPLE, HERBERT D., US
[72] MIRANTE, JAMES V., US
[73] VALSPAR HOLDINGS I, INC., US
[85] 2016-01-05
[86] 2014-07-11 (PCT/US2014/046372)
[87] (WO2015/006704)
[30] US (61/845,458) 2013-07-12

---

[11] **2,917,577**
[13] C
[51] **Int.Cl. A61L 27/50 (2006.01) A61L 27/56 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **ABSORBABLE IMPLANTS FOR PLASTIC SURGERY**
[54] **IMPLANTS RESORBABLES DE CHIRURGIE PLASTIQUE**
[72] FELIX, FABIO, US
[72] FOSCO, ANTONIO, US
[72] MARTIN, DAVID P., US
[72] MOSES, ARIKHA, US
[72] VAN NATTA, BRUCE, US
[72] RIZK, SAID, US
[72] WILLIAMS, SIMON F., US
[73] TEPHA, INC., US
[85] 2016-01-06
[86] 2014-07-11 (PCT/US2014/046420)
[87] (WO2015/006737)
[30] US (61/845,236) 2013-07-11
[30] US (61/993,511) 2014-05-15

---

[11] **2,917,649**
[13] C
[51] **Int.Cl. B64G 1/64 (2006.01) B25J 11/00 (2006.01) B25J 15/08 (2006.01) B64D 1/00 (2006.01)**
[25] EN
[54] **SPACECRAFT CAPTURE MECHANISM**
[54] **MECANISME DE CAPTURE D'ENGIN SPATIAL**
[72] ROBERTS, PAUL, CA
[72] WHITE, JASON, CA
[72] FISHER, STEVE, CA
[72] REMBALA, RICHARD, CA
[73] MAXAR TECHNOLOGIES LTD., CA
[86] (2917649)
[87] (2917649)
[22] 2013-03-19
[62] 2,867,476
[30] US (61/612,715) 2012-03-19

---

[11] **2,918,472**
[13] C
[51] **Int.Cl. G06F 12/0866 (2016.01) G06F 17/30 (2006.01)**
[25] EN
[54] **A METHOD AND PROCESS FOR ENABLING DISTRIBUTING CACHE DATA SOURCES FOR QUERY PROCESSING AND DISTRIBUTED DISK CACHING OF LARGE DATA AND ANALYSIS REQUESTS**
[54] **PROCEDE ET PROCESSUS POUR PERMETTRE DE DISTRIBUER DES SOURCES DE DONNEES DE CACHE POUR TRAITEMENT DE REQUETE ET MISE EN CACHE DISQUE DISTRIBUE DE GRANDES DONNEES ET REQUETES D'ANALYSE**
[72] MOSS, SIMON BYFORD, US
[72] ELKINS, ELIZABETH WINTERS, US
[72] BACHELOR, DOUGLAS WILEY, US
[72] FOUNTAIN, THOMAS C., US
[72] CURBELO, RAUL HUGO, US
[73] UST GLOBAL (SINGAPORE) PTE. LIMITED, SG
[85] 2016-01-15
[86] 2013-07-16 (PCT/US2013/050673)
[87] (WO2014/014906)
[30] US (61/672,028) 2012-07-16

---

[11] **2,918,856**
[13] C
[51] **Int.Cl. B23K 9/02 (2006.01) B23K 9/095 (2006.01)**
[25] EN
[54] **SYNCHRONIZED ROTATING ARC WELDING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SOUDAGE A L'ARC TOURNANT SYNCHRONISE**
[72] HSU, CHRISTOPHER, US
[72] HUTCHISON, RICHARD MARTIN, US
[72] SCOTT, KEVIN MICHAEL, US
[72] PAGANO, KEVIN, US
[72] UECKER, JAMES LEE, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-01-20
[86] 2014-09-11 (PCT/US2014/055090)
[87] (WO2015/038711)
[30] US (61/878,404) 2013-09-16
[30] US (14/481,507) 2014-09-09

---

[11] **2,918,861**
[13] C
[51] **Int.Cl. B23K 9/02 (2006.01) B23K 9/173 (2006.01) B23K 9/29 (2006.01)**
[25] EN
[54] **NARROW GROOVE WELDING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SOUDAGE A FENTE ETROITE**
[72] PAGANO, KEVIN, US
[72] MARSCHKE, BRYAN DUSTIN, US
[72] JAEGER, THOMAS ROGER, US
[72] BASIT, NAUMAN, US
[72] DOBSON, KENNETH S., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-01-20
[86] 2014-09-11 (PCT/US2014/055094)
[87] (WO2015/038713)
[30] US (61/878,452) 2013-09-16
[30] US (14/481,624) 2014-09-09

[11] **2,918,899**
[13] C
[51] **Int.Cl. C04B 26/06 (2006.01)**
[25] EN
[54] **RESIN MIXTURE, REACTION RESIN MORTAR, MULTI-COMPONENT MORTAR SYSTEM AND USE THEREOF**
[54] **MELANGE RESINEUX, MORTIER A BASE DE RESINE COMPOSITE, SYSTEME DE MORTIER A PLUSIEURS COMPOSANTS, ET LEUR UTILISATION**
[72] BURGEL, THOMAS, DE
[72] MONCH, MONIKA, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2016-01-21
[86] 2014-07-23 (PCT/EP2014/065799)
[87] (WO2015/011180)
[30] EP (13177783.1) 2013-07-24

---

[11] **2,919,468**
[13] C
[51] **Int.Cl. A61K 31/015 (2006.01) A61K 9/107 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING OIL-DISPERSIBLE CAROTENOID PREPARATION**
[54] **PROCEDE DE PREPARATION D'UNE PREPARATION DE CAROTENOIDE DISPERSIBLE DANS UNE HUILE**
[72] QIU, DAN, CN
[72] SHI, LIFANG, CN
[72] LI, JIANDONG, CN
[72] CHEN, ZHIRONG, CN
[72] ZHOU, JIACHAO, CN
[73] ZHEJIANG NEW WEIPU ADDITIVE CO., LTD., CN
[73] ZHEJIANG UNIVERSITY, CN
[73] ZHEJIANG NHU COMPANY LTD., CN
[85] 2016-01-08
[86] 2014-06-03 (PCT/CN2014/079069)
[87] (WO2015/003536)
[30] CN (201310286768.5) 2013-07-09

---

[11] **2,920,979**
[13] C
[51] **Int.Cl. D06H 5/00 (2006.01)**
[25] EN
[54] **METHOD OF FORMING A FABRIC SEAM BY ULTRASONIC GAP WELDING OF A FLAT WOVEN FABRIC**
[54] **FORMATION D'UNE COUTURE DE TISSU PAR SOUDAGE A ECARTEMENT PAR ULTRASONS SUR UN TISSU TISSE A PLAT**
[72] LAFOND, JOHN J., US
[72] BOWDEN, JENNIFER L., US
[72] KROLL, LYNN F., US
[72] BOTELHO, JOSEPH P., US
[73] ALBANY INTERNATIONAL CORP., US
[86] (2920979)
[87] (2920979)
[22] 2008-08-27
[62] 2,698,120
[30] US (11/899,232) 2007-09-05

---

[11] **2,921,564**
[13] C
[51] **Int.Cl. G01D 5/26 (2006.01)**
[25] EN
[54] **GEO-LOCATING POSITIONS ALONG OPTICAL WAVEGUIDES**
[54] **GEOLOCALISATION DE POSITIONS LE LONG DE GUIDES D'ONDES OPTIQUES**
[72] BARFOOT, DAVID A., US
[72] MCPHAIL, PAUL H., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-17
[86] 2014-08-18 (PCT/US2014/051417)
[87] (WO2015/053858)
[30] US (14/049,330) 2013-10-09

---

[11] **2,921,588**
[13] C
[51] **Int.Cl. E21B 34/02 (2006.01) F16K 3/00 (2006.01)**
[25] EN
[54] **BONNET AND GATE ARRANGEMENTS FOR A GATE VALVE IN PARTICULATE-LADEN FLUID ENVIRONMENTS**
[54] **DISPOSITIONS DE CHAPEAU ET VANNE D'UN ROBINET-VANNE DESTINEES AUX ENVIRONNEMENTS DE FLUIDE CHARGE DE PARTICULES**
[72] CHEREWYK, BORIS (BRUCE) P., CA
[73] ISOLATION EQUIPMENT SERVICES INC., CA
[86] (2921588)
[87] (2921588)
[22] 2016-02-22
[30] US (62/118,931) 2015-02-20

---

[11] **2,922,173**
[13] C
[51] **Int.Cl. A63H 27/10 (2006.01)**
[25] EN
[54] **SELF-SEALING BALLOONS AND RELATED COMPONENTS AND METHODS OF MANUFACTURING**
[54] **BALLONS AUTO-OBTURANTS ET ELEMENTS ASSOCIES ET PROCEDES DE FABRICATION**
[72] HARTER, KENDALL D., US
[72] YAMAMOTO, JON Y., US
[72] GOODWIN, A. SCOTT, US
[73] KBIDC INVESTMENTS, LLC, US
[85] 2016-02-23
[86] 2014-08-22 (PCT/US2014/052350)
[87] (WO2015/027187)
[30] US (13/974,888) 2013-08-23

[11] **2,922,420**
[13] C
[51] **Int.Cl. G01N 21/17 (2006.01)**
[25] EN
[54] **METHODS FOR ASSAYING IONIC MATERIALS USING AN INTEGRATED COMPUTATIONAL ELEMENT**
[54] **PROCEDES DE DOSAGE DE MATERIAUX IONIQUES UTILISANT UN ELEMENT DE CALCUL INTEGRE**
[72] RUSSELL, AARON GENE, US
[72] HAGGSTROM, JOHANNA, US
[72] FREESE, ROBERT P., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-24
[86] 2013-09-30 (PCT/US2013/062602)
[87] (WO2015/047388)

---

[11] **2,923,285**
[13] C
[51] **Int.Cl. G10L 19/16 (2013.01) G10L 19/032 (2013.01) G10L 19/02 (2013.01) G10L 21/02 (2013.01)**
[25] EN
[54] **CONTEXT-BASED ARITHMETIC ENCODING APPARATUS AND METHOD AND CONTEXT-BASED ARITHMETIC DECODING APPARATUS AND METHOD**
[54] **APPAREIL DE CODAGE ARITHMETIQUE FONDE SUR LE CONTEXTE ET METHODE, ET APPAREIL DE DECODAGE ARITHMETIQUE FONDE SUR LE CONTEXTE ET METHODE**
[72] CHOO, KI HYUN, KR
[72] KIM, JUNG-HOE, KR
[72] OH, EUN MI, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2923285)
[87] (2923285)
[22] 2010-06-18
[62] 2,765,863
[30] KR (10-2009-0055113) 2009-06-19
[30] KR (10-2009-0056301) 2009-06-24
[30] KR (10-2009-0100457) 2009-10-21
[30] KR (10-2009-0122733) 2009-12-10
[30] KR (10-2010-0000281) 2010-01-04
[30] KR (10-2010-0000643) 2010-01-05

---

[11] **2,923,326**
[13] C
[51] **Int.Cl. F02C 7/36 (2006.01)**
[25] EN
[54] **GEARED TURBOFAN ENGINE WITH HIGH COMPRESSOR EXIT TEMPERATURE**
[54] **MOTEUR DOUBLE FLUX A ENGRENAGES A TEMPERATURE DE SORTIE DE COMPRESSEUR ELEVEE**
[72] SCHWARZ, FREDERICK M., US
[72] HASEL, KARL L., US
[73] UNITED TECHNOLOGIES CORPORATION, US
[86] (2923326)
[87] (2923326)
[22] 2016-03-08
[30] US (14/663,727) 2015-03-20

---

[11] **2,923,443**
[13] C
[51] **Int.Cl. B05C 5/02 (2006.01) B05C 9/06 (2006.01) B05C 9/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR APPLYING A COATING TO A WORKPIECE**
[54] **SYSTEME PERMETTANT D'APPLIQUER UN REVETEMENT SUR UNE PIECE**
[72] NALIN, SEBASTIEN G., GB
[72] HUNTZINGER, SCOTT L., US
[73] AWI LICENSING LLC, US
[85] 2016-03-04
[86] 2014-09-09 (PCT/US2014/054653)
[87] (WO2015/038492)
[30] US (14/023,095) 2013-09-10

---

[11] **2,923,807**
[13] C
[51] **Int.Cl. G06K 9/00 (2006.01) H04N 21/234 (2011.01) H04N 21/2343 (2011.01) H04N 21/4722 (2011.01) H04N 21/4728 (2011.01) H04N 21/478 (2011.01) G06K 9/32 (2006.01)**
[25] EN
[54] **GENERATING ALERTS BASED UPON DETECTOR OUTPUTS**
[54] **GENERATION D'ALERTES SUR LA BASE DE SORTIES DE DETECTEUR**
[72] EMEOTT, STEPHEN P., US
[72] BAUM, KEVIN L., US
[72] GANDHI, BHAVAN, US
[72] ISHTIAQ, FAISAL, US
[72] OULD DELLAHY, ISSELMOU, US
[73] ARRIS ENTERPRISES LLC, US
[85] 2016-03-09
[86] 2014-07-29 (PCT/US2014/048562)
[87] (WO2015/034591)
[30] US (61/875,683) 2013-09-09
[30] US (14/444,934) 2014-07-28

---

[11] **2,923,877**
[13] C
[51] **Int.Cl. B28B 7/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE PRODUCTION OF MOLDED CONCRETE PARTS**
[54] **APPAREIL DE PRODUCTION DE PIECES DE BETON MOULEES**
[72] STICHEL, HOLGER, DE
[72] BRAUNGARDT, JURGEN, DE
[73] KOBRA FORMEN GMBH, DE
[86] (2923877)
[87] (2923877)
[22] 2016-03-15
[30] DE (10 2015 103 828.5) 2015-03-16

[11] **2,923,914**
[13] C
[51] **Int.Cl. B28B 7/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE PRODUCTION OF MOLDED CONCRETE PARTS IN A MOLDING MACHINE.**
[54] **APPAREIL DE PRODUCTION DE PIECES DE BETON MOULEES DANS UNE MACHINE DE MOULAGE.**
[72] STICHEL, HOLGER, DE
[72] BRAUNGARDT, JURGEN, DE
[73] KOBRA FORMEN GMBH, DE
[86] (2923914)
[87] (2923914)
[22] 2016-03-16
[30] DE (10 2015 103 829.3) 2015-03-16

---

[11] **2,924,636**
[13] C
[51] **Int.Cl. E21B 21/01 (2006.01) E21B 21/08 (2006.01)**
[25] EN
[54] **SURFACE TREATED LOST CIRCULATION MATERIAL**
[54] **MATERIAU COLMATANT TRAITE EN SURFACE**
[72] SAVARI, SHARATH, US
[72] REDDY, B. RAGHAVA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-17
[86] 2013-10-18 (PCT/US2013/065702)
[87] (WO2015/057244)

---

[11] **2,924,896**
[13] C
[51] **Int.Cl. B65G 15/00 (2006.01)**
[25] EN
[54] **CONVEYING DEVICE**
[54] **DISPOSITIF TRANSPORTEUR**
[72] ITOH, TERUAKI, JP
[73] AOI SEIKI CO., LTD., JP
[86] (2924896)
[87] (2924896)
[22] 2016-03-23
[30] JP (2015-072929) 2015-03-31

---

[11] **2,924,935**
[13] C
[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **COMMUNICATIONS SYSTEM, CONTROL APPARATUS, AND NETWORK MANAGEMENT SERVER**
[54] **SYSTEME DE COMMUNICATION, APPAREIL DE COMMANDE ET SERVEUR DE GESTION DE RESEAU**
[72] CHEN, SHENGXIAN, CN
[72] LAI, ZHICHANG, CN
[72] WANG, ZIQIANG, CN
[72] CAO, WENLI, CN
[72] LIU, TAO, CN
[72] CAO, WEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2016-03-21
[86] 2013-09-23 (PCT/CN2013/083995)
[87] (WO2015/039347)

---

[11] **2,925,200**
[13] C
[51] **Int.Cl. H01M 8/02 (2016.01)**
[25] EN
[54] **FUEL CELL WITH ELECTROLYTIC CORROSION INHIBITING PORTION**
[54] **PILE A COMBUSTIBLE DOTEE D'UNE PORTION EMPECHANT LA CORROSION ELECTROLYTIQUE**
[72] OKABE, HIROKI, JP
[72] SATO, KENJI, JP
[72] KURIHARA, TAKUYA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2016-03-23
[86] 2014-09-25 (PCT/IB2014/002127)
[87] (WO2015/044774)
[30] JP (2013-201385) 2013-09-27

---

[11] **2,925,470**
[13] C
[51] **Int.Cl. C09K 8/00 (2006.01) E21B 21/00 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **WELLBORE FLUID ADDITIVES OF FIBRILLATED FIBERS**
[54] **ADDITIFS POUR FLUIDE DE FORAGE A BASE DE FIBRES FIBRILLEES**
[72] GALINDO, KAY A., US
[72] MILLER, MATTHEW L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-24
[86] 2013-11-05 (PCT/US2013/068601)
[87] (WO2015/069229)

---

[11] **2,925,611**
[13] C
[51] **Int.Cl. A61F 2/02 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **FIXATING MEANS BETWEEN A MESH AND MESH DEPLOYMENT MEANS ESPECIALLY USEFUL FOR HERNIA REPAIR SURGERIES AND METHODS THEREOF**
[54] **MOYENS DE FIXATION ENTRE UNE MAILLE ET DES MOYENS DE DEPLOIEMENT D'UNE MAILLE, UTILES NOTAMMENT POUR LES CHIRURGIES DE REPARATION DES HERNIES ET PROCEDES ASSOCIES**
[72] SHOLEV, MORDEHAI, IL
[72] ZAJDMAN, RUTH, IL
[72] BEN-NUN, ITAY, IL
[73] DAVOL INC., US
[86] (2925611)
[87] (2925611)
[22] 2008-10-22
[62] 2,702,882
[30] US (60/960,860) 2007-10-17

[11] **2,926,919**
[13] C
[51] **Int.Cl. E21B 47/117 (2012.01) E21B 49/00 (2006.01)**
[25] EN
[54] **DISPLACEMENT MEASUREMENT CEMENT TESTING**
[54] **TEST DU CIMENT PAR MESURE DE DEPLACEMENT**
[72] MATTHEWS, KENNETH HEIDT, US
[72] JONES, JAMES ROBERT, US
[72] BHAIDASNA, KETAN CHIMANLAL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-08
[86] 2013-11-12 (PCT/US2013/069603)
[87] (WO2015/072966)

[11] **2,927,333**
[13] C
[51] **Int.Cl. A47F 5/00 (2006.01) A47B 96/02 (2006.01)**
[25] EN
[54] **SHELF STRUCTURE FOR A MERCHANDISER**
[54] **STRUCTURE D'ETAGERE POUR UN PRESENTOIR GEANT**
[72] LAMONTAGNE, RICK M., US
[72] WIND, TOM, US
[73] HUSSMANN CORPORATION, US
[86] (2927333)
[87] (2927333)
[22] 2014-03-12
[62] 2,846,191
[30] US (61/777,915) 2013-03-12

[11] **2,927,400**
[13] C
[51] **Int.Cl. E21B 29/02 (2006.01) E21B 23/00 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **ISOLATION DEVICE CONTAINING A DISSOLVABLE ANODE AND ELECTROLYTIC COMPOUND**
[54] **DISPOSITIF D'ISOLEMENT CONTENANT UNE ANODE DISSOLUBLE ET UN COMPOSE ELECTROLYTIQUE**
[72] FRIPP, MICHAEL L., US
[72] WALTON, ZACHARY W., US
[72] MURPHREE, ZACHARY R., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-13
[86] 2014-12-03 (PCT/US2014/068372)
[87] (WO2015/108627)
[30] US (14/154,596) 2014-01-14

[11] **2,927,706**
[13] C
[51] **Int.Cl. C07F 5/04 (2006.01) C07C 231/12 (2006.01) C07C 237/46 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF IOPAMIDOL**
[54] **PROCEDE DE PREPARATION D'IOPAMIDOL**
[72] BATTISTINI, ELISA, IT
[72] BUONSANTI, FEDERICA, IT
[72] IMPERIO, DANIELA, IT
[72] LATTUADA, LUCIANO, IT
[72] NAPOLITANO, ROBERTA, IT
[73] BRACCO IMAGING SPA, IT
[85] 2016-04-15
[86] 2014-11-04 (PCT/EP2014/073692)
[87] (WO2015/067601)
[30] EP (13191551.4) 2013-11-05

[11] **2,927,746**
[13] C
[51] **Int.Cl. E21B 19/16 (2006.01) E21B 17/01 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **FRICTION AND WEAR REDUCTION OF DOWNHOLE TUBULARS USING GRAPHENE**
[54] **REDUCTION DE FROTTEMENT ET D'USURE DE TUBULAIRES DE FOND DE TROU EN UTILISANT DU GRAPHENE**
[72] SAMUEL, ROBELLO, US
[72] ANIKET, NFN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-15
[86] 2013-11-21 (PCT/US2013/071317)
[87] (WO2015/076813)

[11] **2,927,975**
[13] C
[51] **Int.Cl. B60P 7/04 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **ROLL-UP TONNEAU COVER HAVING A TENSIONING MECHANISM AND A SIDEWAYS LATCH**
[54] **COUVERCLE DE TONNEAU ROULE COMPORTANT UN MECANISME TENDEUR ET UN VERROU LATERAL**
[72] WILLIAMSON, SCOTT, US
[72] KOSINSKI, DAVID, US
[72] YANG, MICHAEL, US
[72] YAN, XICHANG, CN
[72] TONG, JIANFENG, CN
[72] WEI, CHENGPING, CN
[73] RUGGED LINER, INC., US
[73] BEYOND INDUSTRIES (NANJING) LIMITED, CN
[86] (2927975)
[87] (2927975)
[22] 2016-04-22
[30] CN (201510195963.6) 2015-04-23

[11] **2,928,673**
[13] C
[51] **Int.Cl. B65H 3/06 (2006.01) B65H 27/00 (2006.01)**
[25] EN
[54] **TRANSPORT MODULE FOR FLAT ITEMS**
[54] **MODULE DE TRANSPORT D'ARTICLES PLATS**
[72] MUHL, WOLFGANG, DE
[73] FRANCOTYP-POSTALIA GMBH, DE
[86] (2928673)
[87] (2928673)
[22] 2016-05-03
[30] DE (20 2015 102 333.2) 2015-05-07
[30] DE (20 2016 101 920.6) 2016-04-12

[11] **2,928,743**
[13] C
[51] **Int.Cl. F16L 19/08 (2006.01) F16L 21/06 (2006.01) F16L 37/00 (2006.01) F16L 39/04 (2006.01)**
[25] EN
[54] **PUSH-TO-CONNECT FITTING**
[54] **RACCORD INSTANTANE**
[72] BOBO, DAVID, US
[72] PHELPS, DAVID, US
[72] LAFORTUNE, JAMES, US
[72] OLDSEN, DEREK, US
[73] NIBCO INC., US
[85] 2016-04-25
[86] 2014-12-10 (PCT/US2014/069513)
[87] (WO2015/089167)
[30] US (61/914,522) 2013-12-11
[30] US (14/564,271) 2014-12-09

---

[11] **2,928,854**
[13] C
[51] **Int.Cl. D21F 7/08 (2006.01)**
[25] EN
[54] **MULTIAXIAL FABRIC HAVING REDUCED INTERFERENCE PATTERN**
[54] **TISSU MULTIAXIAL PRESENTANT UN MODELE D'INTERFERENCE REDUIT**
[72] HAWES, JOHN M., US
[72] KORNETT, GLENN, US
[72] RYDIN, BJORN, SE
[72] QUIGLEY, SCOTT, US
[72] ROYO, MICHAEL A., US
[72] DONOVAN, JAMES G., US
[72] YOOK, STEVEN, US
[73] ALBANY INTERNATIONAL CORP., US
[86] (2928854)
[87] (2928854)
[22] 2006-04-20
[62] 2,871,861
[30] US (11/116,516) 2005-04-28

---

[11] **2,928,973**
[13] C
[51] **Int.Cl. F01D 25/20 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **LUBRICATION SYSTEM FOR A TURBINE ENGINE**
[54] **SYSTEME DE LUBRIFICATION DESTINE A UNE TURBINE A GAZ**
[72] FANG, NING CHARLES, US
[72] BRADLEY, DONALD ALBERT, US
[72] VAN DER MERWE, GERT J., US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2928973)
[87] (2928973)
[22] 2016-05-05
[30] US (14/715,717) 2015-05-19

---

[11] **2,929,374**
[13] C
[51] **Int.Cl. E21B 47/12 (2012.01) G06K 19/077 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR EVALUATING DOWNHOLE CONDITIONS WITH RFID MEMS SENSORS**
[54] **PROCEDES ET APPAREIL POUR L'EVALUATION DE CONDITIONS DE FOND DE PUITS COMPRENANT DES CAPTEURS DE SYSTEME MICROELECTRONIQUE (MEMS) RFID**
[72] ROBERSON, MARK W., US
[72] RODDY, CRAIG W., US
[72] BARTEE, CHARLES, US
[72] MCGUIRE, KRISTOPHER, US
[72] RAVI, KRISHNA M., US
[72] ROTHROCK, GINGER, US
[72] GOODWIN, SCOTT, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-02
[86] 2014-12-11 (PCT/US2014/069699)
[87] (WO2015/102838)
[30] US (14/145,524) 2013-12-31

---

[11] **2,930,258**
[13] C
[51] **Int.Cl. A01D 34/47 (2006.01)**
[25] EN
[54] **HAND PUSHED LAWN MOWER**
[54] **TONDEUSE A GAZON POUSSEE MANUELLEMENT**
[72] YAMAOKA, TOSHINARI, CN
[72] NIE, FANGJIE, CN
[72] XU, HAISHEN, CN
[73] CHERVON (HK) LIMITED, HK
[86] (2930258)
[87] (2930258)
[22] 2016-05-13
[30] CN (201510260935.8) 2015-05-20
[30] US (15/153,066) 2016-05-12

---

[11] **2,931,101**
[13] C
[51] **Int.Cl. E21B 7/08 (2006.01) E21B 23/14 (2006.01)**
[25] EN
[54] **CLOSED-LOOP SPEED/POSITION CONTROL MECHANISM**
[54] **MECANISME DE COMMANDE DE VITESSE/POSITION EN BOUCLE FERMEE**
[72] DEOLALIKAR, NEELESH V., US
[72] WINSLOW, DANIEL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-18
[86] 2014-02-20 (PCT/US2014/017397)
[87] (WO2015/126399)

[11] **2,931,147**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4745 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 35/00 (2006.01) C07D 471/14 (2006.01)**
[25] EN
[54] **IMIDAZOLONE DERIVATIVES, PHARMCEUTICAL COMPOSITIONS AND USES THEREOF**
[54] **DERIVES D'IMIDAZOLONE, COMPOSITIONS PHARMACEUTIQUES ET UTILISATIONS ASSOCIEES**
[72] ZHANG, XINGMIN, CN
[72] JI, QI, CN
[72] WANG, LEI, CN
[72] GAO, CONGMIN, CN
[72] WANG, ENSI, CN
[72] DU, ZHENJIAN, CN
[72] GONG, LONGLONG, CN
[72] CHEN, BO, CN
[73] BEIJING FORELANDPHARMA CO. LTD., CN
[85] 2016-05-19
[86] 2014-11-14 (PCT/CN2014/091138)
[87] (WO2015/074516)
[30] CN (201310589080.4) 2013-11-20

---

[11] **2,931,576**
[13] C
[51] **Int.Cl. B64D 11/00 (2006.01) B60R 5/00 (2006.01) B64C 1/22 (2006.01)**
[25] EN
[54] **PIVOT BIN ASSEMBLY**
[54] **ENSEMBLE COMPARTIMENT A BAGAGES A PIVOT**
[72] SAVIAN, SCOTT, US
[72] KEARSEY, STEPHEN, GB
[72] WILLIAMS, COREY, US
[73] C&D ZODIAC, INC., US
[86] (2931576)
[87] (2931576)
[22] 2014-02-13
[62] 2,898,647
[30] US (14/179,494) 2014-02-12
[30] US (13/765,652) 2013-02-12
[30] US (61/764,503) 2013-02-13
[30] US (61/835,896) 2013-06-17
[30] US (61/809,281) 2013-04-05

---

[11] **2,931,655**
[13] C
[51] **Int.Cl. A47L 13/16 (2006.01) A47L 1/15 (2006.01) A47L 13/20 (2006.01) A47L 13/46 (2006.01)**
[25] EN
[54] **MULTI-PURPOSE CLEANING IMPLEMENT**
[54] **OUTIL DE NETTOYAGE POLYVALENT**
[72] JAMES, ADRIAN BENTON, US
[72] WHITE, BRYAN THOMAS, US
[72] SHAWVER, MICHAEL JOSEPH, US
[72] VERBIEST, JAN HENDRIK MARIA, US
[72] PANKRATZ, VIRGINIA, US
[72] HOFTE, PAULUS ANTONIUS AUGUSTINUS, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[86] (2931655)
[87] (2931655)
[22] 2004-09-03
[62] 2,834,461
[30] US (60/562,000) 2004-04-13
[30] US (60/499,852) 2003-09-03

---

[11] **2,933,140**
[13] C
[51] **Int.Cl. B65D 21/032 (2006.01)**
[25] FR
[54] **STACKABLE BOTTLE WITH DOUBLE HANDLE AND OVERSIZED NECK**
[54] **BOUTEILLE EMPILABLE A DOUBLE POIGNEE A GOULOT SURDIMENSIONNE**
[72] AUBIN, REGENT, CA
[73] AUBIN, REGENT, CA
[86] (2933140)
[87] (2933140)
[22] 2016-06-15

---

[11] **2,933,912**
[13] C
[51] **Int.Cl. A61C 17/34 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **BRUSH HEAD FOR AN ELECTRIC TOOTHBRUSH**
[54] **TETE DE BROSSE POUR BROSSE A DENTS ELECTRIQUE**
[72] DICKIE, ROBERT G., CA
[72] NABAVI, SHAHRAM, CA
[73] RANIR, LLC, US
[85] 2016-06-15
[86] 2013-12-17 (PCT/CA2013/050973)
[87] (WO2014/094152)
[30] US (61/739,937) 2012-12-20
[30] US (13/769,667) 2013-02-18

---

[11] **2,935,782**
[13] C
[51] **Int.Cl. G09G 3/20 (2006.01) G06F 3/041 (2006.01)**
[25] EN
[54] **DISPLAYS WITH INTRA-FRAME PAUSE**
[54] **AFFICHAGES AVEC PAUSE ENTRE TRAMES**
[72] LIN, CHIN-WEI, US
[72] HUANG, CHUN-YAO, US
[72] CHANG, SHIH CHANG, US
[72] LEE, SZU-HSIEN, US
[73] APPLE INC., US
[85] 2016-06-30
[86] 2015-01-09 (PCT/US2015/010751)
[87] (WO2015/119741)
[30] US (61/935,772) 2014-02-04
[30] US (14/489,338) 2014-09-17

---

[11] **2,936,321**
[13] C
[51] **Int.Cl. H01M 8/10 (2016.01) H01M 8/02 (2016.01) H01M 8/04 (2016.01) H01M 8/24 (2016.01)**
[25] EN
[54] **FUEL CELL WITH IMPROVED WATER DISCHARGE**
[54] **PILE A COMBUSTIBLE A EVACUATION D'EAU AMELIOREE**
[72] KUBO, HIDEKI, JP
[72] OKABE, HIROKI, JP
[72] KONDO, TAKASHI, JP
[72] IDA, ATSUSHI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2016-07-08
[86] 2015-01-06 (PCT/IB2015/000060)
[87] (WO2015/107418)
[30] JP (2014-004942) 2014-01-15

[11] **2,936,931**
[13] C
[51] **Int.Cl. B08B 13/00 (2006.01) A47L 15/14 (2006.01) B05B 13/02 (2006.01) B08B 3/04 (2006.01)**
[25] EN
[54] **MOVABLE RACK ASSEMBLY WITH CORNER SPRAY NOZZLES**
[54] **ENSEMBLE PANIER MOBILE AVEC BUSES DE PULVERISATION EN ANGLE**
[72] VOYER, GUILLAUME, CA
[72] PARENT, GHISLAIN, CA
[73] STERIS INC., US
[85] 2016-07-14
[86] 2015-01-26 (PCT/US2015/012819)
[87] (WO2015/130418)
[30] US (61/945,441) 2014-02-27
[30] US (14/603,542) 2015-01-23

---

[11] **2,938,118**
[13] C
[51] **Int.Cl. B60R 21/34 (2011.01)**
[25] EN
[54] **LATERAL ACCESS LIMITATION SYSTEM FOR A VEHICLE**
[54] **SYSTEME DE LIMITATION D'ACCES LATERAL DESTINE A UN VEHICULE**
[72] NELSON, JOSEPH D., US
[72] MEYERS, TROY L., US
[72] DEINEMA, MATTHEW P., US
[73] OSHKOSH CORPORATION, US
[86] (2938118)
[87] (2938118)
[22] 2016-08-04
[30] US (62/201,983) 2015-08-06

---

[11] **2,938,331**
[13] C
[51] **Int.Cl. F24H 1/10 (2006.01) F24H 9/18 (2006.01)**
[25] EN
[54] **COIL TUBE HEAT EXCHANGER FOR A TANKLESS HOT WATER SYSTEM**
[54] **ECHANGEUR DE CHALEUR A TUBE SPIRALE DESTINE A UN SYSTEME D'EAU CHAUDE SANS RESERVOIR**
[72] DEIVASIGAMANI, SRIDHAR, US
[72] AKASAM, SIVAPRASAD, US
[73] DEIVASIGAMANI, SRIDHAR, US
[73] AKASAM, SIVAPRASAD, US
[86] (2938331)
[87] (2938331)
[22] 2010-08-18
[62] 2,770,190
[30] US (61/234,710) 2009-08-18
[30] US (12/858,101) 2010-08-17

---

[11] **2,938,777**
[13] C
[51] **Int.Cl. B23D 57/02 (2006.01)**
[25] EN
[54] **CHAIN SAW**
[54] **SCIE A CHAINE**
[72] NIE, FANGJIE, CN
[72] FU, HUIXING, CN
[72] CHANG, WEN, CN
[73] CHERVON (HK) LIMITED, HK
[86] (2938777)
[87] (2938777)
[22] 2016-08-12
[30] CN (201510502273.0) 2015-08-14
[30] US (15/234,509) 2016-08-11

---

[11] **2,939,347**
[13] C
[51] **Int.Cl. B01D 61/42 (2006.01)**
[25] EN
[54] **CROSS-FLOW ELECTROCHEMICAL SEPARATION DEVICES AND METHODS OF ASSEMBLING SAME**
[54] **DISPOSITIFS DE SEPARATION ELECTROCHIMIQUE A FLUX TRANSVERSAL ET LEURS PROCEDES D'ASSEMBLAGE**
[72] LIANG, LI-SHIANG, US
[72] YEO, KENG HOO, SG
[72] LEOW HWEE TENG, VIVIAN, SG
[72] TAN, CHIN HIANG, SG
[72] GIFFORD, JOSEPH D., US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2016-08-11
[86] 2015-04-02 (PCT/US2015/024089)
[87] (WO2015/153885)
[30] US (61/974,027) 2014-04-02

---

[11] **2,939,645**
[13] C
[51] **Int.Cl. A41C 1/14 (2006.01) A41C 1/00 (2006.01) A41C 1/06 (2006.01) A41C 3/00 (2006.01) A41C 3/12 (2006.01)**
[25] EN
[54] **GARMENT WITH BACK STAYS FOR ENHANCED FIT**
[54] **VETEMENT A CORSET ARRIERE POUR UNE MEILLEURE TENUE**
[72] ANGELINO, ANTHONY, US
[72] WELSCH, DAVID, US
[72] MILLER, NANCY S., US
[72] ABURTO, JENNIE M., US
[73] CUPID FOUNDATIONS, INC., US
[85] 2016-08-12
[86] 2015-02-25 (PCT/US2015/017486)
[87] (WO2015/130761)
[30] US (61/946,260) 2014-02-28

[11] **2,939,797**
[13] C
[51] **Int.Cl. B60G 21/055 (2006.01) B21D 39/00 (2006.01) B21D 53/88 (2006.01) F16B 4/00 (2006.01) F16B 7/14 (2006.01)**
[25] EN
[54] **STRUCTURE OF SEMI-FINISHED PRODUCT FOR MOVEMENT RESTRICTION MEMBER, APPARATUS FOR ATTACHING SEMI-FINISHED PRODUCT TO BAR MEMBER, STRUCTURE FOR ATTACHMENT OF SEMI-FINISHED PRODUCT AND BAR MEMBER, AND METHOD OF ATTACHING SEMI-FINISHED PRODUCT**
[54] **STRUCTURE D'ELEMENT DE RESTRICTION DE MOUVEMENT SEMI-FINI, APPAREIL DE FIXATION DE PRODUIT SEMI-FINI A L'ELEMENT TIGE, STRUCTURE DE FIXATION POUR ELEMENT TIGE ET PRODUIT SEMI-FINI, ET PROCEDE DE FIXATION DE PRODUIT SEMI-FINI**
[72] KATSUNO, KENJI, JP
[73] NHK SPRING PRODUCTION COMPANY, JP
[73] NHK SPRING CO., LTD., JP
[85] 2016-08-15
[86] 2014-12-08 (PCT/JP2014/082453)
[87] (WO2015/125381)
[30] JP (2014-028712) 2014-02-18

---

[11] **2,941,952**
[13] C
[51] **Int.Cl. E06B 9/324 (2006.01)**
[25] EN
[54] **CORD LOCK OF WINDOW COVERING**
[54] **BLOCAGE DE CORDON DESTINE A UNE PARURE DE FENETRE**
[72] CHANG, CHIH-YAO, TW
[73] NIEN MADE ENTERPRISE CO., LTD., CN
[86] (2941952)
[87] (2941952)
[22] 2016-09-15
[30] CN (201520755679.5) 2015-09-28

---

[11] **2,941,995**
[13] C
[51] **Int.Cl. G01V 3/08 (2006.01) G01R 29/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR ACQUIRING AND PROCESSING ELECTRIC FIELD SIGNALS RELATING TO SUBSURFACE GEOLOGIC STRUCTURES**
[54] **SYSTEME D'ACQUISITION ET DE TRAITEMENT DE SIGNAUX DE CHAMP ELECTRIQUE ASSOCIES AUX STRUCTURES GEOLOGIQUES EN SOUS-SURFACE**
[72] GOLDAK, DAVID KELSEY, CA
[73] EMPULSE GEOPHYSICS LTD., CA
[86] (2941995)
[87] (2941995)
[22] 2016-09-15

---

[11] **2,942,456**
[13] C
[51] **Int.Cl. B25B 25/00 (2006.01) B21D 39/03 (2006.01) B65B 13/02 (2006.01) B65B 13/34 (2006.01)**
[25] EN
[54] **TOOL FOR MOUNTING A TENSION CLAMP**
[54] **OUTIL POUR FIXER UN COLLIER DE SERRAGE**
[72] SEELOS, ROBERT, CH
[72] DE VITTORI, NELSON, CH
[72] STEINER, PETER, CH
[73] OETIKER SCHWEIZ AG, CH
[85] 2016-09-12
[86] 2015-12-16 (PCT/EP2015/079988)
[87] (WO2016/096983)
[30] EP (PCT/EP2014/078344) 2014-12-17

---

[11] **2,942,727**
[13] C
[51] **Int.Cl. A43B 13/14 (2006.01) A43B 3/00 (2006.01) A43B 13/00 (2006.01) A43B 23/00 (2006.01)**
[25] EN
[54] **SHOE PAIR WITH POSITION INDICATOR ASSEMBLY**
[54] **PAIRE DE CHAUSSURES AYANT UN ENSEMBLE INDICATEUR DE POSITIONNEMENT**
[72] LEGG, LINDSEY, US
[72] SOTO, ALYSSA, US
[72] WILKINS, EARL, US
[73] PAIRME PRODUCTS, LLC, US
[85] 2016-09-13
[86] 2015-03-30 (PCT/US2015/023342)
[87] (WO2015/153460)
[30] US (62/071,936) 2014-03-31

---

[11] **2,943,125**
[13] C
[51] **Int.Cl. B29C 70/18 (2006.01)**
[25] EN
[54] **MULTIPLE-RESIN COMPOSITE STRUCTURES AND METHODS OF PRODUCING THE SAME**
[54] **STRUCTURES COMPOSITES A RESINES MULTIPLES ET LEURS PROCEDES DE PRODUCTION**
[72] HENRY, CHRISTOPHER P., US
[73] THE BOEING COMPANY, US
[86] (2943125)
[87] (2943125)
[22] 2013-05-09
[62] 2,815,521
[30] US (13/524224) 2012-06-15

[11] **2,943,438**
[13] C
[51] **Int.Cl. B29B 11/08 (2006.01) B29C 45/17 (2006.01) B29C 49/02 (2006.01)**
[25] EN
[54] **CONTAINER WITH SYNTHETIC RESIN WINDOW, PREFORM, AND PREFORM INJECTION MOLDING APPARATUS**
[54] **RECIPIENT POURVU D'UNE FENETRE EN RESINE SYNTHETIQUE, PREFORME ET APPAREIL DE MOULAGE PAR INJECTION DE PREFORMES**
[72] SOYAMA, HIDEAKI, JP
[72] ISHII, YUSUKE, JP
[73] YOSHINO KOGYOSHO CO., LTD., JP
[86] (2943438)
[87] (2943438)
[22] 2013-11-30
[62] 2,893,024
[30] JP (2012-263131) 2012-11-30

---

[11] **2,943,595**
[13] C
[51] **Int.Cl. E21B 33/05 (2006.01) E21B 33/16 (2006.01)**
[25] EN
[54] **CEMENT HEAD SYSTEM AND METHOD FOR OPERATING A CEMENT HEAD SYSTEM**
[54] **SYSTEME DE TETE DE CIMENTAGE ET PROCEDE DE COMMANDE D'UN SYSTEME DE TETE DE CIMENTAGE**
[72] ROGOZINSKI, NICOLAS A., US
[72] ROGERS, HENRY E., US
[72] STANDIFER, PHILLIP D., US
[72] MAKOWIECKI, GARY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-09-22
[86] 2014-05-05 (PCT/US2014/036816)
[87] (WO2015/171112)

---

[11] **2,943,763**
[13] C
[51] **Int.Cl. E21B 33/08 (2006.01) E21B 33/06 (2006.01) E21B 33/068 (2006.01)**
[25] EN
[54] **DRILLING STRIPPING ELEMENT**
[54] **ELEMENT D'ENLEVEMENT DE FORAGE**
[72] BOYD, MICHAEL, CA
[72] BARABASH, ANDREW, CA
[72] MASTERS, STEPHEN D., CA
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2016-09-28
[86] 2015-07-09 (PCT/IB2015/001690)
[87] (WO2016/207685)
[30] US (62/185,557) 2015-06-26

---

[11] **2,947,514**
[13] C
[51] **Int.Cl. G06Q 20/14 (2012.01) G06Q 20/20 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **PAYMENT CONFIRMATION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE CONFIRMATION DE PAIEMENT**
[72] DE VILLIERS, DAVID, ZA
[73] GELLINER LIMITED, GB
[86] (2947514)
[87] (2947514)
[22] 2016-11-04
[30] GB (1520267.4) 2015-11-17

---

[11] **2,948,984**
[13] C
[51] **Int.Cl. B63H 5/125 (2006.01) F16J 15/00 (2006.01)**
[25] EN
[54] **SLEWING SEAL ARRANGEMENT FOR A PROPULSION UNIT**
[54] **AGENCEMENT DE JOINT D'ETANCHEITE PIVOTANT POUR PROPULSEUR**
[72] KARILA, KAI, FI
[72] KIISKILA, JUSSI, FI
[72] KORTELAINEN, VILLE, FI
[72] RONKAINEN, ERKKI, FI
[72] TAMMINEN, TERO, FI
[73] ABB OY, FI
[85] 2016-11-14
[86] 2015-05-12 (PCT/FI2015/050320)
[87] (WO2015/173471)
[30] EP (14168086.8) 2014-05-13

---

[11] **2,949,825**
[13] C
[51] **Int.Cl. G01N 1/28 (2006.01)**
[25] EN
[54] **DENSITY PHASE SEPARATION DEVICE**
[54] **DISPOSITIF DE SEPARATION DE PHASES PAR DENSITE**
[72] CRAWFORD, JAMIESON W., US
[72] ATTRI, RAVI, US
[72] BATTLES, CHRISTOPHER A., US
[72] HIRES, GREGORY R., US
[72] BARTFELD, BENJAMIN, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2949825)
[87] (2949825)
[22] 2010-05-14
[62] 2,762,131
[30] US (61/178,599) 2009-05-15

---

[11] **2,950,815**
[13] C
[51] **Int.Cl. G01S 7/02 (2006.01) G01S 7/04 (2006.01)**
[25] EN
[54] **LOW-COST, HIGH-PERFORMANCE RADAR NETWORKS**
[54] **RESEAUX DE RADAR A FAIBLE COUT ET A RENDEMENT ELEVE**
[72] NOHARA, TIMOTHY J., CA
[72] PREMJI, AL-NASIR, CA
[72] UKRAINEC, ANDREW M., CA
[72] WEBER, PETER T., CA
[72] JONES, GRAEME S., CA
[72] KRASNOR, CARL E., CA
[73] ACCIPITER RADAR TECHNOLOGIES INC., CA
[86] (2950815)
[87] (2950815)
[22] 2005-04-20
[62] 2,898,390

[11] **2,952,393**
[13] C
[51] **Int.Cl. B23K 9/09 (2006.01) B23K 9/073 (2006.01) B23K 9/12 (2006.01) B23K 9/173 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING WIRE FEED SPEED**
[54] **SYSTEME ET PROCEDE POUR COMMANDER LA VITESSE D'ENTRAINEMENT DU FIL**
[72] HUTCHISON, RICHARD MARTIN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-12-14
[86] 2014-07-09 (PCT/US2014/045873)
[87] (WO2015/199739)
[30] US (14/314,981) 2014-06-25

[11] **2,956,783**
[13] C
[51] **Int.Cl. B65D 51/16 (2006.01)**
[25] EN
[54] **VENTED CONTAINER END CLOSURE**
[54] **FERMETURE D'EXTREMITE DE RECIPIENT MISE A L'AIR LIBRE**
[72] CHASTEEN, HOWARD C., US
[72] JACOBER, MARK A., US
[73] BALL CORPORATION, US
[85] 2017-01-27
[86] 2015-07-29 (PCT/US2015/042579)
[87] (WO2016/018977)
[30] US (62/030,736) 2014-07-30
[30] US (62/152,577) 2015-04-24

[11] **2,959,725**
[13] C
[51] **Int.Cl. B60T 17/16 (2006.01)**
[25] EN
[54] **AUTOMATIC PARKING BRAKE FOR BODY MOUNTED BRAKE CYLINDER**
[54] **FREIN DE STATIONNEMENT AUTOMATIQUE POUR CYLINDRE DE FREIN MONTE SUR CARROSSERIE**
[72] HUBER, HOWARD, JR., US
[72] NEULIEB, ROBERT, US
[73] NEW YORK AIR BRAKE LLC, US
[85] 2017-03-01
[86] 2015-09-02 (PCT/US2015/048051)
[87] (WO2016/036798)
[30] US (62/044,696) 2014-09-02

[11] **2,963,355**
[13] C
[51] **Int.Cl. B07C 3/18 (2006.01) G06Q 10/08 (2012.01) B65G 1/00 (2006.01)**
[25] FR
[54] **LOGISTICS FACILITY WITH PARCEL TRANSPORT SHUTTLES AND PORTABLE DEVICES FOR IDENTIFYING PARCELS**
[54] **INSTALLATION LOGISTIQUE AVEC DES NAVETTES DE TRANSPORT DE COLIS ET DES EQUIPEMENTS PORTATIFS D'IDENTIFICATION DES COLIS**
[72] MIETTE, EMMANUEL, FR
[72] CHIROL, LUC, FR
[73] SOLYSTIC, FR
[85] 2017-03-31
[86] 2015-09-15 (PCT/FR2015/052470)
[87] (WO2016/059314)
[30] FR (1459806) 2014-10-13

[11] **2,964,016**
[13] C
[51] **Int.Cl. B24C 1/08 (2006.01) B08B 5/00 (2006.01) B08B 7/04 (2006.01)**
[25] EN
[54] **ICE BLASTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT PAR PROJECTION DE GLACE**
[72] COULSON, FOSTER, CA
[73] COULSON ICE BLAST LTD., CA
[85] 2017-04-11
[86] 2017-01-27 (PCT/CA2017/050093)
[87] (2964016)
[30] US (62/292,999) 2016-02-09
[30] US (62/294,161) 2016-02-11
[30] US (62/294,710) 2016-02-12
[30] US (62/287,742) 2016-01-27

[11] **2,964,781**
[13] C
[51] **Int.Cl. H05H 1/26 (2006.01) C23C 16/513 (2006.01) C23F 4/02 (2006.01)**
[25] EN
[54] **PLASMA APPARATUS**
[54] **APPAREIL AU PLASMA**
[72] YOSHIMURA, TAKUYA, JP
[72] KOIZUMI, MASAFUMI, JP
[72] IDE, KOTARO, JP
[72] ASHITAKA, YU, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2964781)
[87] (2964781)
[22] 2017-04-20
[30] JP (2016-086809) 2016-04-25
[30] JP (2016-116778) 2016-06-13

[11] **2,965,130**
[13] C
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 17/10 (2006.01) F04B 47/06 (2006.01) F04D 13/08 (2006.01)**
[25] EN
[54] **SUBMERSIBLE PUMP STABILIZATION**
[54] **STABILISATION DE POMPE SUBMERSIBLE**
[72] WATT, ALAN, CA
[73] SUNCOR ENERGY INC., CA
[86] (2965130)
[87] (2965130)
[22] 2014-04-23
[62] 2,849,685
[30] US (61/815,213) 2013-04-23

[11] **2,966,458**
[13] C
[51] **Int.Cl. E04G 23/02 (2006.01) E04B 1/74 (2006.01) E04F 13/00 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **METHOD OF RETROFITTING A BUILDING**
[54] **METHODE DE RATTRAPAGE D'UN IMMEUBLE**
[72] WARREN, KEITH, CA
[73] WARREN, KEITH, CA
[86] (2966458)
[87] (2966458)
[22] 2012-12-19
[62] 2,799,863

[11] **2,966,680**
[13] C
[51] **Int.Cl. C22B 5/08 (2006.01) B03D 1/00 (2006.01) C01B 17/20 (2006.01) C22B 1/11 (2006.01) C22B 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING FROTHING DURING ATMOSPHERIC LEACHING OF METAL SULPHIDES USING SILICATES**
[54] **SYSTEME ET PROCEDE DE REGULATION DE LA FORMATION DE MOUSSE LORS DE LA LIXIVIATION ATMOSPHERIQUE DES SULFURES METALLIQUES A L'AIDE DE SILICATES**
[72] CHAIKO, DAVID J., US
[72] BACZEK, FRANK, US
[72] WALTERS, TOM, US
[72] ROCKS, SARA (SALLY), US
[72] ROY, GARY, US
[72] EYZAGUIRRE, CARLOS, US
[73] FLSMIDTH A/S, DK
[85] 2017-02-21
[86] 2015-08-27 (PCT/US2015/047259)
[87] (WO2016/033360)
[30] US (62/042,414) 2014-08-27

---

[11] **2,968,220**
[13] C
[51] **Int.Cl. E21B 34/10 (2006.01)**
[25] EN
[54] **HYDRAULIC FLOW RESTRICTION TUBE TIME DELAY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEE DE TEMPORISATION DE TUBE LIMITEUR DE DEBIT HYDRAULIQUE**
[72] GEORGE, KEVIN R., US
[72] SNIDER, PHILIP MARTIN, US
[72] HARDESTY, JOHN T., US
[72] WROBLICKY, MICHAEL D., US
[72] ROLLINS, JAMES A., US
[72] CLARK, NATHAN G., US
[72] PEARSON, JARROD HENRY, US
[72] WESSON, DAVID S., US
[73] GEODYNAMICS, INC., US
[85] 2017-05-17
[86] 2015-05-08 (PCT/US2015/029982)
[87] (WO2016/081028)
[30] US (62/081,196) 2014-11-18
[30] US (14/685,176) 2015-04-13

---

[11] **2,974,483**
[13] C
[51] **Int.Cl. B22F 9/26 (2006.01) B22F 3/10 (2006.01) B22F 9/24 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING NICKEL POWDER**
[54] **PROCEDE DE FABRICATION DE POUDRE DE NICKEL**
[72] HEGURI, SHIN-ICHI, JP
[72] OZAKI, YOSHITOMO, JP
[72] TAKAISHI, KAZUYUKI, JP
[72] YONEYAMA, TOMOAKI, JP
[72] OHARA, HIDEKI, JP
[72] IKEDA, OSAMU, JP
[72] KUDO, YOHEI, JP
[73] SUMITOMO METAL MINING CO., LTD., JP
[85] 2017-07-20
[86] 2015-03-26 (PCT/JP2015/059451)
[87] (WO2016/117138)
[30] JP (2015-010719) 2015-01-22
[30] JP (2015-010721) 2015-01-22
[30] JP (2015-010722) 2015-01-22

---

[11] **2,975,699**
[13] C
[51] **Int.Cl. G21K 1/04 (2006.01) A61B 6/02 (2006.01)**
[25] EN
[54] **X-RAY REDUCTION SYSTEM**
[54] **SYSTEME DE REDUCTION DE RAYONS X**
[72] MELMAN, HAIM ZVI, IL
[72] GUEZ, ALLON, US
[73] CONTROLRAD SYSTEMS INC., US
[86] (2975699)
[87] (2975699)
[22] 2013-11-07
[62] 2,892,970
[30] US (61/730,987) 2012-11-29

---

[11] **2,978,004**
[13] C
[51] **Int.Cl. C09J 163/00 (2006.01) C09J 9/00 (2006.01) C09J 11/08 (2006.01)**
[25] EN
[54] **TWO-PART ADHESIVE INCLUDING TOUGHENED CURATIVE**
[54] **ADHESIF EN DEUX PARTIES INCLUANT UN DURCISSEUR RENFORCE**
[72] CHEN, LIANZHOU, US
[72] SCHLECHTE, JAY S., US
[72] STOUT, GEORGE M., US
[72] SQUIRES, RACHEL J., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-08-25
[86] 2016-02-01 (PCT/US2016/015968)
[87] (WO2016/137671)
[30] US (62/126,029) 2015-02-27

---

[11] **2,979,236**
[13] C
[51] **Int.Cl. A23P 30/00 (2016.01) A23P 10/00 (2016.01) A21C 11/00 (2006.01) A21C 14/00 (2006.01)**
[25] EN
[54] **BALL-SHAPED FOOD FORMING MACHINE**
[54] **MARCHINE DE FACONNAGE D'ALIMENT EN FORME DE BOULE**
[72] XIE, DA-YOU, TW
[73] DASIN MACHINERY CO., LTD., TW
[86] (2979236)
[87] (2979236)
[22] 2017-09-15
[30] TW (105130365) 2016-09-20

[11] **2,981,317**
[13] C
[51] **Int.Cl. G10L 19/26 (2013.01) G10L 19/02 (2013.01) H03H 17/02 (2006.01)**
[25] EN
[54] **COMPLEX EXPONENTIAL MODULATED FILTER BANK FOR HIGH FREQUENCY RECONSTRUCTION OR PARAMETRIC STEREO**
[54] **BANC DE FILTRES MODULES EXPONENTIELS COMPLEXES DESTINE A LA RECONSTRUCTION HAUTE FREQUENCE OU LA STEREO PARAMETRIQUE**
[72] EKSTRAND, PER, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2981317)
[87] (2981317)
[22] 2010-02-17
[62] 2,959,400
[30] SE (0900217-1) 2009-02-18
[30] US (61/257105) 2009-11-02

---

[11] **2,981,328**
[13] C
[51] **Int.Cl. G10L 19/26 (2013.01) G10L 19/02 (2013.01) H03H 17/02 (2006.01)**
[25] EN
[54] **COMPLEX EXPONENTIAL MODULATED FILTER BANK FOR HIGH FREQUENCY RECONSTRUCTION OR PARAMETRIC STEREO**
[54] **BANC DE FILTRES MODULES EXPONENTIELS COMPLEXES DESTINE A LA RECONSTRUCTION HAUTE FREQUENCE OU LA STEREO PARAMETRIQUE**
[72] EKSTRAND, PER, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2981328)
[87] (2981328)
[22] 2010-02-17
[62] 2,959,400
[30] SE (0900217-1) 2009-02-18
[30] US (61/257105) 2009-11-02

---

[11] **2,982,886**
[13] C
[51] **Int.Cl. F02D 13/02 (2006.01) F02D 41/04 (2006.01) F02D 41/06 (2006.01) F02D 41/10 (2006.01)**
[25] EN
[54] **ENGINE CONTROLLER AND ENGINE CONTROL METHOD**
[54] **APPAREIL DE COMMANDE DE MOTEUR ET PROCEDE DE COMMANDE DE MOTEUR**
[72] TSUYUKI, TAKESHI, JP
[72] IMAOKA, YOSHIHIRO, JP
[72] INOUE, TAKAO, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-16
[86] 2015-04-16 (PCT/JP2015/061682)
[87] (WO2016/166859)

---

[11] **2,982,987**
[13] C
[51] **Int.Cl. G01F 1/76 (2006.01) A61M 15/00 (2006.01) A61M 16/20 (2006.01) G01P 5/26 (2006.01)**
[25] EN
[54] **OPTICAL FLOW MEASURING APPARATUS AND INHALATION APPARATUS COMPRISING THE SAME**
[54] **APPAREIL DE MESURE OPTIQUE DU DEBIT ET APPAREIL D'INHALATION LE COMPRENANT**
[72] VERJUS, ROMUALD, FR
[72] POREE, THIERRY, FR
[72] GUHEL, YANNICK, FR
[72] POUDEROUX, BERTRAND, FR
[72] BOUDART, BERTRAND, FR
[72] ANGILELLA, JEAN-REGIS, FR
[73] PROTECSOM AMERIQUE DU NORD INC., CA
[85] 2017-10-16
[86] 2016-04-18 (PCT/CA2016/050446)
[87] (WO2016/165029)
[30] US (62/149,019) 2015-04-17
[30] US (62/166,225) 2015-05-26
[30] US (62/233,524) 2015-09-28

---

[11] **2,985,012**
[13] C
[51] **Int.Cl. H05K 5/03 (2006.01) H05K 7/02 (2006.01)**
[25] EN
[54] **NETWORKING ENCLOSURE ASSEMBLY WITH MAGNETIC ALIGNMENT AND INTERLOCKING, ADAPTABLE TO BE INSTALLED IN DIFFERENT LOCATIONS AND POSITIONS.**
[54] **ENSEMBLE D'ENCEINTE DE RESEAUTAGE DOTE D'ALIGNEMENT MAGNETIQUE ET D'INTERVERROUILLAGE, ADAPTABLE A INSTALLER DANS DES EMPLACEMENTS ET DES POSITIONNEMENTS DIFFERENTS.**
[72] CHEN, HONG, CA
[72] CHENG, NATHAN, CA
[72] GUCKEL, CHRISTIAN, CA
[72] HAMMERSLEY, DONOVAN, CA
[72] LEE, BALIN, CA
[72] ZANG, KAI, CA
[73] PRIMEX MANUFACTURING LTD., CA
[86] (2985012)
[87] (2985012)
[22] 2017-11-06

---

[11] **2,986,558**
[13] C
[51] **Int.Cl. H02P 27/08 (2006.01)**
[25] EN
[54] **MOTOR CONTROL DEVICE AND MOTOR CONTROL METHOD**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE MOTEUR**
[72] KAWAMURA, HIROMICHI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-11-20
[86] 2015-05-21 (PCT/JP2015/064599)
[87] (WO2016/185601)

[11] **2,992,541**
[13] C
[51] **Int.Cl. D21H 21/02 (2006.01) C08F 220/56 (2006.01) D21H 17/41 (2006.01)**
[25] EN
[54] **PITCH-CONTROLLING AGENT AND PITCH-CONTROLLING METHOD**
[54] **AGENT DE COMMANDE DE BRAI ET PROCEDE DE COMMANDE DE BRAI**
[72] SODEYAMA, TAKUJI, JP
[72] AIKAWA, YOSHIHIRO, JP
[72] FUJIWARA, TAKAHIRO, JP
[73] HARIMA CHEMICALS, INC., JP
[85] 2018-01-15
[86] 2017-05-29 (PCT/JP2017/019879)
[87] (WO2017/209037)
[30] JP (2016-107578) 2016-05-30

Canadian Applications Open to Public Inspection

May 13, 2018 to May 19, 2018

Demandes canadiennes mises à la disponibilité du public

13 mai 2018 au 19 mai 2018

---

[21] **2,948,271**
[13] A1
[51] **Int.Cl. A47K 10/22 (2006.01) G09F 23/06 (2006.01)**
[25] EN
[54] **PRODUCT DISPENSER WITH ACTIVE MEDIA DISPLAY**
[54] **DISTRIBUTEUR DE PRODUIT DOTE D'UN AFFICHEUR MEDIA ACTIF**
[72] THOMAS, TREVOR, CA
[72] DROUIN, PAUL, CA
[72] ELLIOT, NATHAN, CA
[72] MELCHER, DWAYNE, CA
[71] THOMAS, TREVOR, CA
[71] DROUIN, PAUL, CA
[71] ELLIOT, NATHAN, CA
[71] MELCHER, DWAYNE, CA
[22] 2016-11-14
[41] 2018-05-14

---

[21] **2,948,277**
[13] A1
[51] **Int.Cl. A47J 27/08 (2006.01) A47J 27/082 (2006.01) A47J 27/084 (2006.01)**
[25] EN
[54] **IMPROVEMENT TO THE PRESSURE COOKER**
[54] **AMELIORATION DE LA COCOTTE-MINUTE**
[72] BACHHAL, SUKHBIR SINGH, CA
[71] BACHHAL, SUKHBIR SINGH, CA
[22] 2016-11-16
[41] 2018-05-16

---

[21] **2,948,315**
[13] A1
[51] **Int.Cl. D03D 15/00 (2006.01)**
[25] EN
[54] **WOVEN FABRIC COMPRISING ELASTIC ON BOTH WARP AND WEFT AND METHOD OF MAKING SAME**
[54] **TISSU TISSE COMPORTANT UN ELASTIQUE SUR LA TRAME ET LA CHAINE ET METHODE DE FABRICATION ASSOCIEE**
[72] LOBATO, ISRAEL ROBLES, MX
[71] GRUPO ROMATEX DE MEXICO, S.A. DE C.V., MX
[22] 2016-11-14
[41] 2018-05-14

---

[21] **2,948,396**
[13] A1
[51] **Int.Cl. G01V 1/18 (2006.01)**
[25] EN
[54] **ANALOG/DIGITAL HYBRID ADAPTOR SYSTEM FOR GEOPHONES AND SEISMOMETERS**
[54] **SYSTEME D'ADAPTATEUR HYBRIDE ANALOGIQUE/NUMERIQUE DESTINE AUX GEOPHONES ET AUX SISMOMETRES**
[72] FU, ZHENTANG, CA
[71] HOWE, WILSON, CA
[22] 2016-11-15
[41] 2018-05-15

---

[21] **2,948,402**
[13] A1
[51] **Int.Cl. G01B 3/10 (2006.01)**
[25] EN
[54] **SHOW COMMON MARKING PLACEMENTS ON A MEASURING TAPE BLADE**
[54] **AFFICHAGE DE POSITIONNEMENTS DE MARQUES COURANTES SUR LA LAME D'UN RUBAN A MESURER**
[72] FROESE, ANDREAS, CA
[71] FROESE, ANDREAS, CA
[22] 2016-11-15
[41] 2018-05-15

---

[21] **2,948,437**
[13] A1
[51] **Int.Cl. G01V 1/36 (2006.01)**
[25] EN
[54] **SEISMIC DATA PREPROCESSING AND REPROCESSING TO RETROFIT GEOPHONE PERFORMANCE**
[54] **PRETRAITEMENT ET RETRAITEMENT DE DONNEES SISMIQUES SERVANT A AMELIORER LE RENDEMENT D'UN GEOPHONE**
[72] HOWE, WILSON, CA
[71] HOWE, WILSON, CA
[22] 2016-11-14
[41] 2018-05-14

---

[21] **2,948,497**
[13] A1
[51] **Int.Cl. B23P 11/00 (2006.01) B44B 5/00 (2006.01) C25D 11/04 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING BI-METALLIC MEMBERS**
[54] **METHODE DE FABRICATION D'ELEMENTS BIMETALLIQUES**
[72] MATHIEU, YANICK, CA
[71] MATHIEU, YANICK, CA
[22] 2016-11-16
[41] 2018-05-16

[21] **2,948,499**
[13] A1
[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CLASSIFYING AND SEGMENTING MICROCOPY IMAGES WITH DEEP MULTIPLE INSTANCE LEARNING**
[54] **SYSTEME ET METHODE DE CLASSEMENT ET SEGMENTATIONS D'IMAGES DE MICROCOPIE A APPRENTISSAGE D'INSTANCE MULTIPLE PROFOND**
[72] KRAUS, OREN, CA
[72] FREY, BRENDAN, CA
[72] BA, JIMMY, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2016-11-16
[41] 2018-05-16

---

[21] **2,948,505**
[13] A1
[51] **Int.Cl. E03B 11/02 (2006.01) F24D 17/00 (2006.01) G05D 11/16 (2006.01)**
[25] EN
[54] **WATER TEMPERING SYSTEM**
[54] **SYSTEME DE REGULATION DE LA TEMPERATURE DE L'EAU**
[72] JEBRAN, NASSIM, CA
[72] MAZZULLO, LOUIE, CA
[72] MAZZULLO, FRANK, CA
[72] BASKOVIC, BERNARD, CA
[71] 2397593 ONTARIO INC., CA
[22] 2016-11-16
[41] 2018-05-16

---

[21] **2,948,510**
[13] A1
[51] **Int.Cl. A01K 13/00 (2006.01) A01K 27/00 (2006.01)**
[25] EN
[54] **CLOTHING ARTICLES FOR PETS CONTAINING A NOVEL COLLAR ATTACHMENT SYSTEM**
[54] **ARTICLES DE VETEMENT DESTINES AUX ANIMAUX COMPORTANT UN SYSTEME NOVATEUR DE FIXATION DE COLLIER**
[72] WRIGHT, GABRIELLE A., CA
[72] MARTINE, NATHAN, CA
[72] MARTINE, ERICA, CA
[72] WRIGHT, ARTHUR P. G., CA
[71] WRIGHT, GERRY, CA
[22] 2016-11-16
[41] 2018-05-16

---

[21] **2,948,511**
[13] A1
[51] **Int.Cl. A24D 3/04 (2006.01) A24C 5/58 (2006.01) A24F 15/00 (2006.01) G09F 3/02 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE IDENTIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'IDENTIFICATION D'ARTICLE DE FUMEUR**
[72] GRANSAULL, ANGELA L., CA
[71] GRANSAULL, ANGELA L., CA
[22] 2016-11-16
[41] 2018-05-16

---

[21] **2,948,514**
[13] A1
[51] **Int.Cl. A47C 4/28 (2006.01) A47C 4/30 (2006.01) A47C 9/10 (2006.01) B64D 11/06 (2006.01)**
[25] EN
[54] **CHAIR SYSTEMS AND METHOD**
[54] **SYSTEMES ET METHODE DESTINES A DES CHAISES**
[72] WU, YI YAN, CA
[71] WU, YI YAN, CA
[22] 2016-11-15
[41] 2018-05-15

---

[21] **2,948,558**
[13] A1
[51] **Int.Cl. B44F 9/02 (2006.01) B27N 5/00 (2006.01) B44F 9/04 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD OF PSEUDO-WOOD AND PSEUDO-STONE FURNITURE OR ORNAMENT MATERIAL WITH NATURAL GRAINS**
[54] **METHODE DE PRODUCTION DE MEUBLE OU DE MATERIAU D'ORNEMENT EN SIMILI-BOIS ET SIMILI-PIERRE A GRAINS NATURELS**
[72] NING, ZHI-FENG, CN
[71] NING, ZHI-FENG, CN
[22] 2016-11-16
[41] 2018-05-16

---

[21] **2,948,704**
[13] A1
[51] **Int.Cl. A61K 33/42 (2006.01) A61K 33/00 (2006.01) A61K 33/08 (2006.01) A61K 33/24 (2006.01) A61K 33/30 (2006.01) A61L 15/18 (2006.01) A61L 15/42 (2006.01) A61L 15/44 (2006.01) A61L 31/02 (2006.01) A61L 31/14 (2006.01) A61L 31/16 (2006.01) A61P 7/04 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **MESOPOROUS BIOACTIVE GLASSES AND USES THEREOF**
[54] **VERRES BIOACTIFS MESOPOREUX ET UTILISATIONS ASSOCIEES**
[72] TOWLER, MARK, CA
[71] TOWLER, MARK, CA
[22] 2016-11-17
[41] 2018-05-17

---

[21] **2,948,747**
[13] A1
[51] **Int.Cl. A01D 67/00 (2006.01) A01D 34/412 (2006.01)**
[25] EN
[54] **MOUNTING BRACKET FOR A ROTARY CUTTER**
[54] **SUPPORT D'INSTALLATION D'UN COUTEAU ROTATIF**
[72] GREENWOOD, SCOTT, CA
[71] GREENWOOD'S ARCHITECTURAL HARDWARE INC., CA
[22] 2016-11-17
[41] 2018-05-17

[21] **2,948,756**
[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/128 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **FRAC PLUG APPARATUS, SETTING TOOL, AND METHOD**
[54] **APPAREILLAGE DE BOUCHON DE FRACTURATION, OUTIL D'INSTALLATION ET METHODE**
[72] SAULOU, CORY, CA
[72] STEWART, TIM, CA
[71] MAVERICK DOWNHOLE TECHNOLOGIES INC., CA
[22] 2016-11-15
[41] 2018-05-15

---

[21] **2,948,793**
[13] A1
[51] **Int.Cl. H03M 7/30 (2006.01)**
[25] EN
[54] **PREFIX BURROWS-WHEELER TRANSFORMATION WITH FAST OPERATIONS ON COMPRESSED DATA**
[54] **TRANSFORMATION DE BURROWS-WHEELER DE PREFIXE A OPERATIONS RAPIDES SUR LES DONNEES COMPRESSEES**
[72] BRUESTLE, JEREMY, US
[71] SPIRAL GENETICS, INC., US
[22] 2016-11-17
[41] 2018-05-17

---

[21] **2,948,962**
[13] A1
[51] **Int.Cl. C22C 19/05 (2006.01)**
[25] EN
[54] **INTERMEDIATE STRENGTH ALLOYS FOR HIGH TEMPERATURE SERVICE IN LIQUID-SALT COOLED ENERGY SYSTEMS**
[54] **ALLIAGES DE SOLIDITE INTERMEDIAIRE DESTINES A UN SERVICE HAUTE TEMPERATURE DANS LES SYSTEMES D'ENERGIE REFROIDIS AU LIQUIDE ET AU SEL**
[72] MURALIDHARAN, GOVINDARAJAN, US
[72] WILSON, DANE FRANCIS, US
[72] HOLCOMB, DAVID EUGENE, US
[71] UT-BATTELLE, LLC, US
[22] 2016-11-17
[41] 2018-05-17

---

[21] **2,948,991**
[13] A1
[51] **Int.Cl. B63B 59/04 (2006.01) B08B 17/00 (2006.01)**
[25] EN
[54] **HYDROSOUND MARINE ANTI-FOULING SYSTEM**
[54] **SYSTEME ANTI-ENCRASSEMENT MARIN HYDROSONORE**
[72] TASKER, TREVOR, CA
[72] KNOX, DEREK, CA
[71] EMCS INDUSTRIES LTD., CA
[22] 2016-11-18
[41] 2018-05-18

---

[21] **2,949,002**
[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADJUSTING ALIGNMENT OF A PANEL**
[54] **SYSTEME ET METHODE DE REGLAGE D'ALIGNEMENT D'UN PANNEAU**
[72] NOBLE, ANGUS, GB
[71] PURE VISTA LTD., GB
[22] 2016-11-17
[41] 2018-05-17

---

[21] **2,949,122**
[13] A1
[51] **Int.Cl. B05C 21/00 (2006.01) B44D 3/12 (2006.01)**
[25] EN
[54] **PAINT SAVER DEVICE AND METHOD**
[54] **DISPOSITIF ET METHODE D'ECONOMISEUR DE PEINTURE**
[72] IDDON, ANDREW, CA
[71] IDDON, ANDREW, CA
[22] 2016-11-18
[41] 2018-05-18

---

[21] **2,949,303**
[13] A1
[51] **Int.Cl. E06B 9/17 (2006.01) E06B 9/56 (2006.01)**
[25] EN
[54] **DRIVE ARRANGEMENT**
[54] **CONFIGURATION D'ENTRAINEMENT**
[72] GUNTON, BRUCE STANLEY, GB
[71] GUNTON, BRUCE STANLEY, GB
[22] 2016-11-22
[41] 2018-05-15
[30] US (15/352,136) 2016-11-15

---

[21] **2,949,791**
[13] A1
[51] **Int.Cl. G03F 7/34 (2006.01) B33Y 30/00 (2015.01) B33Y 40/00 (2015.01) C08J 5/18 (2006.01)**
[25] EN
[54] **IMPROVED STEREOLITHOGRAPHY SYSTEM**
[54] **SYSTEME DE STEREOLITHOGRAPHIE AMELIOREE**
[72] CASTANON, DIEGO, CA
[71] CASTANON, DIEGO, CA
[71] FORTIER, RAYMOND, CA
[22] 2016-11-18
[41] 2018-05-18

---

[21] **2,949,888**
[13] A1
[51] **Int.Cl. H02B 1/40 (2006.01)**
[25] EN
[54] **DECORATIVE COVER FOR AN ELECTRICAL PANEL AND METHOD OF MAKING THE SAME**
[54] **REVETEMENT DECORATIF DE PANNEAU ELECTRIQUE ET METHODE DE FABRICATION ASSOCIEE**
[72] THOMPSON, LINDSAY, KY
[71] THOMPSON, LINDSAY, KY
[22] 2016-11-26
[41] 2018-05-17
[30] US (29/584,799) 2016-11-17
[30] US (15/360,465) 2016-11-23

[21] **2,951,789**
[13] A1
[51] **Int.Cl. G01F 3/10 (2006.01)**
[25] EN
[54] **LIQUID FLOW SENSOR WITH ADJUSTABLE OPERATIONAL RANGE**
[54] **DETECTEUR DE DEBIT A PLAGE FONCTIONNELLE AJUSTABLE**
[72] WILGER, WILFRED H., CA
[72] GEORGET, SEAN, CA
[71] WILGER INDUSTRIES LTD., CA
[22] 2016-12-15
[41] 2018-05-14

---

[21] **2,955,449**
[13] A1
[51] **Int.Cl. B01L 1/00 (2006.01) E04H 1/00 (2006.01) F24F 3/14 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **IMPROVED ENVIRONMENTAL ROOM WITH REDUCED ENERGY CONSUMPTION**
[54] **CAISSON ENVIRONNEMENTAL AMELIORE A CONSOMMATION D'ENERGIE REDUITE**
[72] ZLOBINSKY, YURY, US
[72] LANGER, YURY, US
[71] HARRIS ENVIRONMENTAL SYSTEMS, INC., US
[22] 2017-01-19
[41] 2018-05-19
[30] US (15/356,551) 2016-11-19

---

[21] **2,961,419**
[13] A1
[51] **Int.Cl. F02C 6/00 (2006.01) E21B 43/26 (2006.01) E21B 43/34 (2006.01) F01D 15/00 (2006.01) F02C 7/22 (2006.01) F02M 33/00 (2006.01) F17D 1/04 (2006.01) F17D 3/14 (2006.01) F17D 3/16 (2006.01)**
[25] EN
[54] **SYSTEM FOR GAS COMPRESSION ON ELECTRIC HYDRAULIC FRACTURING FLEETS**
[54] **SYSTEME DE COMPRESSION DE GAZ DANS LES GROUPES DE MACHINES DE FRACTURATION HYDRAULIQUE**
[72] OEHRING, JARED, US
[72] HINDERLITER, BRANDON N., US
[71] US WELL SERVICES LLC, US
[22] 2017-03-20
[41] 2018-05-18
[30] US (15/356,436) 2016-11-18

---

[21] **2,965,070**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **REAL-TIME METHOD AND SYSTEM FOR ASSESSING AND IMPROVING A PRESENCE AND PRECEPTION OF AN ENTITY**
[54] **SYSTEME ET METHODE EN TEMPS REEL SERVANT A EVALUER ET AMELIORER UNE PRESENCE ET UNE PERCEPTION D'UNE ENTITE**
[72] KAKKAD, HEMANT MANAHARLAL, IN
[72] KORIA, PANKHURI JAYPRAKASH, IN
[72] SHAH, HARDIK PRADEEP, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2017-04-24
[41] 2018-05-14
[30] IN (201641038779) 2016-11-14

---

[21] **2,967,697**
[13] A1
[51] **Int.Cl. E05B 49/00 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **ELECTRIC LOCK AND CLUTCH MECHANISM THEREOF**
[54] **VERROU ELECTRIQUE ET MECANISME D'EMBRAYAGE ASSOCIE**
[72] HUANG, LIEN-HSI, TW
[72] LEE, WEN-CHIEH, TW
[71] TAIWAN FU HSING INDUSTRIAL CO., LTD., TW
[22] 2017-05-18
[41] 2018-05-14
[30] TW (105136984) 2016-11-14

---

[21] **2,968,283**
[13] A1
[51] **Int.Cl. F02C 6/08 (2006.01) B64D 13/02 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE BLEED CONFIGURATION**
[54] **CONFIGURATION DE PURGE DE MOTEUR DE TURBINE A GAZ**
[72] MORGAN, KEITH, CA
[72] PLANTE, GHISLAIN, CA
[72] DUROCHER, ERIC S., CA
[72] NG, KEVIN, CA
[72] VINSKI, JOHNNY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-05-23
[41] 2018-05-14
[30] US (15/350,837) 2016-11-14

---

[21] **2,968,777**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/10 (2016.01) A23L 29/212 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/12 (2006.01)**
[25] EN
[54] **VARIETY CORN LINE HD5449**
[54] **MAIS DE VARIETE HD5449**
[72] PINNISCH, RUSSEL, US
[71] SYNGENTA PARTICIPATIONS AG, CH
[22] 2017-05-29
[41] 2018-05-14
[30] US (15/350,180) 2016-11-14

---

[21] **2,972,213**
[13] A1
[51] **Int.Cl. F02B 77/08 (2006.01) F02B 43/00 (2006.01) F02D 19/02 (2006.01) F02M 21/02 (2006.01) F16K 17/00 (2006.01)**
[25] EN
[54] **PROPANE SHUTOFF SYSTEM**
[54] **SYSTEME DE COUPURE D'ALIMENTATION DE PROPANE**
[72] HAMM, DERRICK LEE, US
[72] WAGONER, TED TILMAN, US
[72] BOST, DAVID, US
[71] AMANO PIONEER ECLIPSE CORPORATION, US
[22] 2017-06-27
[41] 2018-05-17
[30] US (15/354,618) 2016-11-17

[21] **2,972,738**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/10 (2016.01) A23L 29/212 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/12 (2006.01)**
[25] EN
[54] **VARIETY CORN LINE GAV0002**
[54] **MAIS DE VARIETE GAV0002**
[72] DE DREU, ADRIAN JAN, CA
[71] SYNGENTA PARTICIPATIONS AG, CH
[22] 2017-07-07
[41] 2018-05-14
[30] US (15/350140) 2016-11-14

[21] **2,972,965**
[13] A1
[51] **Int.Cl. B66F 3/30 (2006.01) B66F 3/25 (2006.01) E01D 21/00 (2006.01) E02D 29/02 (2006.01)**
[25] EN
[54] **HYDRAULIC JACK SYSTEM**
[54] **SYSTEME DE VERIN HYDRAULIQUE**
[72] JONES, PAT, CA
[72] DEROY, MICHAEL, CA
[72] WEIR, MITCHELL, CA
[72] TAWS, MATTHEW, CA
[71] 692324 NB INC., CA
[22] 2017-07-12
[41] 2018-05-18
[30] US (62/423,925) 2016-11-18

[21] **2,974,954**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6876 (2018.01)**
[25] EN
[54] **HIGHLY SENSITIVE METHODS FOR DETECTING BTK RESISTANCE MUTATIONS IN RNA AND DNA**
[54] **METHODES TRES SENSIBLES DE DETECTION DE MUTATIONS A RESISTANCE BTK DANS L'ARN ET L'ADN**
[72] JONES, DANIEL, US
[72] TU, HUOLIN, US
[72] BYRD, JOHN, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[22] 2017-08-01
[41] 2018-05-17
[30] US (62/423,531) 2016-11-17
[30] US (62/526,736) 2017-06-29

[21] **2,975,556**
[13] A1
[51] **Int.Cl. F02C 7/32 (2006.01) F02C 7/36 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE ACCESSORIES ARRANGEMENT**
[54] **CONFIGURATION D'ACCESSOIRES DE MOTEUR DE TURBINE A GAZ**
[72] MITROVIC, LAZAR, CA
[72] DUBREUIL, JEAN, CA
[72] DUROCHER, ERIC, CA
[72] MORGAN, KEITH, CA
[72] DESJARDINS, MICHEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-08-04
[41] 2018-05-15
[30] US (15/351,803) 2016-11-15

[21] **2,975,684**
[13] A1
[51] **Int.Cl. B23P 9/00 (2006.01) B64D 29/00 (2006.01) B64D 27/10 (2006.01)**
[25] EN
[54] **STRESS REDUCTION DIMPLES FOR CIRCULAR HOLES**
[54] **FOSSETTES DE REDUCTION DE CONTRAINTE DESTINEES A DES TROUS CIRCULAIRES**
[72] STONE, PAUL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-08-07
[41] 2018-05-15
[30] US (15/351,783) 2016-11-15

[21] **2,977,149**
[13] A1
[51] **Int.Cl. E05F 15/71 (2015.01) B64C 1/00 (2006.01) B64D 29/00 (2006.01) B64D 33/08 (2006.01) E06B 7/02 (2006.01) F01D 25/24 (2006.01) F16K 7/00 (2006.01) F16K 31/64 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **TEMPERATURE ACTUATED PANEL**
[54] **PANNEAU ACTIONNE PAR LA TEMPERATURE**
[72] CHRISTMAN, DAVID B., US
[72] QUANDT, GENE A., US
[71] THE BOEING COMPANY, US
[22] 2017-08-23
[41] 2018-05-15
[30] US (15/352039) 2016-11-15

[21] **2,977,270**
[13] A1
[51] **Int.Cl. E01B 29/24 (2006.01)**
[25] EN
[54] **MAGNETIC SINGULATOR FOR BULK RAIL FASTENERS**
[54] **SEPARATEUR MAGNETIQUE DESTINE A DES DISPOSITIFS DE FIXATION DE RAIL EN VRAC**
[72] PAYAN, JULIO ENRIQUE, US
[72] STRYDOM, PHILIP, US
[71] NORDCO INC., US
[22] 2017-08-25
[41] 2018-05-15
[30] US (15/352,013) 2016-11-15

[21] **2,978,702**
[13] A1
[51] **Int.Cl. F16H 3/74 (2006.01) F02C 7/36 (2006.01) F16H 1/28 (2006.01) F16H 3/44 (2006.01)**
[25] EN
[54] **GEARBOX FOR GAS TURBINE ENGINE**
[54] **BOITE D'ENGRENAGES DE TURBINE A GAZ**
[72] POULIN, MARTIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-09-07
[41] 2018-05-15
[30] US (15/351,611) 2016-11-15

---

[21] **2,979,008**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01) F01D 9/02 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **AIRFOIL LEADING EDGE IMPINGEMENT COOLING**
[54] **REFROIDISSEMENT PAR IMPACT DE JET SUR LE BORD D'ATTAQUE DE PROFIL DYNAMIQUE**
[72] BARKER, BRETT J., US
[72] RHODES, JEFFREY F., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-09-12
[41] 2018-05-15
[30] US (15/352020) 2016-11-15

---

[21] **2,979,011**
[13] A1
[51] **Int.Cl. B05B 1/30 (2006.01) E03C 1/04 (2006.01) E03C 1/08 (2006.01)**
[25] EN
[54] **VARIABLE DUAL FLOW FITTING**
[54] **RACCORD D'ECOULEMENT DOUBLE VARIABLE**
[72] FABRIZIO, EDWARD VINCENT, US
[71] CHRONOMITE LABORATORIES, INC., US
[22] 2017-09-12
[41] 2018-05-14
[30] US (15/350794) 2016-11-14

---

[21] **2,979,088**
[13] A1
[51] **Int.Cl. F21V 14/02 (2006.01) B64D 25/00 (2006.01) B64D 25/14 (2006.01) B64D 47/02 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **EXTERNAL AIRCRAFT EMERGENCY LIGHTING**
[54] **ECLAIRAGE D'URGENCE D'EXTERIEUR D'AERONEF**
[72] VOLNY, JARO S., US
[72] HARTMAN, DREW, US
[71] GOODRICH CORPORATION, US
[22] 2017-09-12
[41] 2018-05-14
[30] US (15/350,817) 2016-11-14

---

[21] **2,979,093**
[13] A1
[51] **Int.Cl. B64D 25/14 (2006.01) B64D 25/18 (2006.01)**
[25] EN
[54] **REDUNDANT LAYER FOR INFLATABLE EVACUATION COMPONENT**
[54] **COUCHE REDONDANTE DESTINEE A UNE COMPOSANTE D'EVACUATION GONFLABLE**
[72] VOLNY, JARO S., US
[72] HARTMAN, DREW, US
[71] GOODRICH CORPORATION, US
[22] 2017-09-12
[41] 2018-05-14
[30] US (15/350,808) 2016-11-14

---

[21] **2,979,097**
[13] A1
[51] **Int.Cl. B64D 25/04 (2006.01) B64D 11/06 (2006.01)**
[25] EN
[54] **ENERGY ABSORBING ASSEMBLY FOR A SEAT**
[54] **DISPOSITIF D'ABSORPTION D'ENERGIE DESTINE A UN SIEGE**
[72] FERGUSON, KEITH M., US
[72] PATTERSON, SCOTT R., US
[72] BENJAMIN, JEFF, US
[71] AMI INDUSTRIES, INC., US
[22] 2017-09-12
[41] 2018-05-16
[30] US (15/353,525) 2016-11-16

---

[21] **2,979,467**
[13] A1
[51] **Int.Cl. F21V 23/06 (2006.01) F21K 9/272 (2016.01) F21S 2/00 (2016.01) F21V 15/01 (2006.01) F21V 15/015 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE WITH ADJUSTABLE CONNECTOR**
[54] **APPAREIL D'ECLAIRAGE A CONNECTEUR AJUSTABLE**
[72] SIECZKOWSKI, PHILIP, US
[72] MAYO, CHRISTINA, US
[71] ABL IP HOLDING LLC, US
[22] 2017-09-15
[41] 2018-05-18
[30] US (62/424142) 2016-11-18

---

[21] **2,979,650**
[13] A1
[51] **Int.Cl. F16B 25/04 (2006.01)**
[25] EN
[54] **CRACK-PROOF SCREW**
[54] **VIS ANTI-FISSURES**
[72] LIN, CHAO-WEI, TW
[71] KWANTEX RESEARCH INC., TW
[22] 2017-09-19
[41] 2018-05-15
[30] TW (105137180) 2016-11-15

---

[21] **2,980,180**
[13] A1
[51] **Int.Cl. A01D 41/12 (2006.01) A01D 41/06 (2006.01) A01D 57/00 (2006.01)**
[25] EN
[54] **WINDROW MERGER ATTACHMENT**
[54] **FIXATION DE GROUPEMENT D'ANDAINS**
[72] LOGGAN, AARON, US
[71] AGCO CORPORATION, US
[22] 2017-09-25
[41] 2018-05-15
[30] US (62/442,443) 2016-11-15

[21] **2,980,444**
[13] A1
[51] **Int.Cl. A62C 35/68 (2006.01)**
[25] EN
[54] **FIRE SPRINKLER ASSEMBLY INCLUDING ADJUSTABLE DROP**
[54] **GICLEUR D'EXTINCTION D'INCENDIE COMPORTANT UN DEGAGEMENT AJUSTABLE**
[72] DAFONSECA, ODAIR, US
[72] BEAGEN, JOSEPH, US
[71] FLEXHEAD INDUSTRIES, INC., US
[22] 2017-09-27
[41] 2018-05-17
[30] US (15/354,356) 2016-11-17

[21] **2,980,710**
[13] A1
[51] **Int.Cl. H04L 29/10 (2006.01) H04L 12/42 (2006.01)**
[25] EN
[54] **SAFE NETWORK INTERFACE**
[54] **INTERFACE RESEAU SURE**
[72] RICCO, PHILIPPE, FR
[72] MATHYS, YVES, CH
[72] BETTAIEB, KHALED, CH
[71] MERCURY MISSION SYSTEMS INTERNATIONAL S.A., CH
[22] 2017-09-26
[41] 2018-05-18
[30] EP (16199505.5) 2016-11-18

[21] **2,981,018**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 5/1171 (2016.01) A61B 90/00 (2016.01) A61B 5/103 (2006.01) A61M 5/00 (2006.01)**
[25] EN
[54] **USE OF INFRARED LIGHT ABSORPTION FOR VEIN FINDING AND PATIENT IDENTIFICATION**
[54] **UTILISATION D'ABSORPTION DE LUMIERE INFRAROUGE POUR LE REPERAGE DE VEINE ET L'IDENTIFICATION DU PATIENT**
[72] HAVERMAN, YURI, US
[72] DIAZ, OLIVER CRESPO, US
[72] FIEDLER, ALAN WAYNE, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2017-10-02
[41] 2018-05-18
[30] US (62/424236) 2016-11-18

[21] **2,981,725**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DYNAMIC MULTI-CRITERIA LOYALTY PROGRAM REDEMPTIONS**
[54] **METHODE ET SYSTEME DE REMISES LIEES A UN PROGRAMME DE FIDELITE MULTICRITERE DYNAMIQUE**
[72] BOYD, CHRISTOPHER, CA
[72] WILKS, ORION, CA
[71] POINTS.COM INC., CA
[22] 2017-10-06
[41] 2018-05-16
[30] US (15/353,175) 2016-11-16

[21] **2,982,065**
[13] A1
[51] **Int.Cl. H04N 21/23 (2011.01) H04N 21/6587 (2011.01) H04N 21/80 (2011.01) G06Q 50/10 (2012.01) G06T 1/00 (2006.01)**
[25] EN
[54] **METHODS, SERVERS AND SYSTEMS FOR OPERATING ON SECURITY INSPECTION DATA**
[54] **METHODES, SERVEURS ET SYSTEMES FONCTIONNANT A PARTIR DE DONNEES D'INSPECTION DE SECURITE**
[72] TANG, HU, CN
[72] ZHANG, LI, CN
[72] CHEN, ZHIQIANG, CN
[72] ZHANG, JIAMIN, CN
[71] NUCTECH COMPANY LIMITED, CN
[22] 2017-10-10
[41] 2018-05-15
[30] CN (201611029778.0) 2016-11-15

[21] **2,982,110**
[13] A1
[51] **Int.Cl. B64C 27/39 (2006.01) B64C 11/02 (2006.01) B64C 11/26 (2006.01) B64C 27/28 (2006.01) B64C 27/473 (2006.01) B64C 27/54 (2006.01)**
[25] EN
[54] **PROPROTOR SYSTEMS FOR TILTROTOR AIRCRAFT**
[54] **SYSTEME DE ROTOR ORIENTABLE DESTINE A UN AERONEF A ROTORS BASCULANTS**
[72] CHOI, JOUYOUNG JASON, US
[72] MILLER, GARY, US
[72] RAUBER, RICHARD ERLER, US
[72] PARHAM, THOMAS CLEMENT, JR., US
[72] EWING, ALAN CARL, US
[72] STAMPS, FRANK BRADLEY, US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-10-10
[41] 2018-05-18
[30] US (15/355,347) 2016-11-18

[21] **2,982,296**
[13] A1
[51] **Int.Cl. A62C 2/12 (2006.01) F16K 31/64 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **HEAT-ACTUATED FIRE DAMPER SEALING APPARATUS**
[54] **APPAREIL DE FERMETURE ETANCHE DE REGISTRE COUPE-FEU ACTIONNE THERMIQUEMENT**
[72] OIEN, LYNN, US
[71] OIEN, LYNN, US
[22] 2017-10-13
[41] 2018-05-16
[30] US (15/353,399) 2016-11-16

---

[21] **2,983,495**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) H04W 24/02 (2009.01) H04L 12/24 (2006.01)**
[25] EN
[54] **IMPROVING PERFORMANCE OF COMMUNICATION NETWORK BASED ON END TO END PERFORMANCE OBSERVATION AND EVALUATION**
[54] **AMELIORATION DU RENDEMENT D'UN RESEAU DE COMMUNICATION FONDE SUR L'OBSERVATION DE BOUT EN BOUT ET L'EVALUATION**
[72] RICCI, ALESSIO, IT
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[22] 2017-10-24
[41] 2018-05-14
[30] US (15/350,635) 2016-11-14

---

[21] **2,983,538**
[13] A1
[51] **Int.Cl. B65D 85/00 (2006.01) E04F 21/02 (2006.01) E04G 23/02 (2006.01)**
[25] EN
[54] **HOME REPAIR AND PAINT STORAGE KIT**
[54] **TROUSSE DE REPARATION RESIDENTIELLE ET DE RANGEMENT DE PEINTURE**
[72] BUSCH, WARREN, CA
[71] BUSCH, WARREN, CA
[22] 2017-10-24
[41] 2018-05-17
[30] US (15/354,127) 2016-11-17

---

[21] **2,983,953**
[13] A1
[51] **Int.Cl. B64C 13/04 (2006.01) B64D 31/04 (2006.01) G05G 1/04 (2006.01)**
[25] FR
[54] **MANAGEMENT DEVICE FOR THE MECHANICAL ENERGY IN AN AIRCRAFT, FEATURING A LIGHT SYSTEM, ASSOCIATED AIRCRAFT AND PROCESS**
[54] **DISPOSITIF DE GESTION DE L'ENERGIE MECANIQUE D'UN AERONEF, PRESENTANT UN SYSTEME LUMINEUX, AERONEF ET PROCEDE ASSOCIES**
[72] LE BORLOCH, JEROME, FR
[71] DASSAULT AVIATION, FR
[22] 2017-10-25
[41] 2018-05-14
[30] FR (16 01 612) 2016-11-14

---

[21] **2,983,993**
[13] A1
[51] **Int.Cl. B64C 13/04 (2006.01) B64D 31/04 (2006.01) G05G 1/04 (2006.01) G05G 5/03 (2009.01)**
[25] FR
[54] **MANAGEMENT DEVICE FOR THE MECHANICAL ENERGY IN AN AIRCRAFT, FEATURING A FORCE APPLICATION SYSTEM ON A CONTROL LEVER, ASSOCIATED AIRCRAFT AND PROCESS**
[54] **DISPOSITIF DE GESTION DE L'ENERGIE MECANIQUE D'UN AERONEF, PRESENTANT UN SYSTEME D'APPLICATION DE FORCE SUR UNE MANETTE DE COMMANDE, AERONEF ET PROCEDE ASSOCIES**
[72] GRANIER, ERIC, FR
[72] LE BORLOCH, JEROME, FR
[71] DASSAULT AVIATION, FR
[22] 2017-10-26
[41] 2018-05-14
[30] FR (16 01611) 2016-11-14

---

[21] **2,983,999**
[13] A1
[51] **Int.Cl. B64C 13/04 (2006.01) G05G 1/01 (2009.01) B64D 31/04 (2006.01) G05G 1/04 (2006.01) G05G 13/00 (2006.01)**
[25] FR
[54] **MECHANICAL ENERGY MANAGEMENT DEVICE FOR AN AIRCRAFT PRESENTING AN AUXILIARY ENERGY MANAGEMENT SYSTEM, ASSOCIATED AIRCRAFT AND PROCESS**
[54] **DISPOSITIF DE GESTION DE L'ENERGIE MECANIQUE D'UN AERONEF, PRESENTANT UN SYSTEME AUXILIAIRE DE GESTION D'ENERGIE, AERONEF ET PROCEDE ASSOCIES**
[72] GRANIER, ERIC, FR
[72] LE BORLOCH, JEROME, FR
[71] DASSAULT AVIATION, FR
[22] 2017-10-26
[41] 2018-05-14
[30] FR (16 01609) 2016-11-14

---

[21] **2,984,283**
[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01) E04C 1/42 (2006.01) E04H 17/16 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR FASTENING A PANEL IN A SLOT USING TWO OPPOSITE WEDGES**
[54] **CONFIGURATION DE FIXATION D'UN PANNEAU DANS UNE FENTE AU MOYEN DE DEUX COINS OPPOSES**
[72] DAGAND, CYRIL, FR
[72] BORROD, WILFRIED, FR
[71] SB INGENIERIE, FR
[22] 2017-10-30
[41] 2018-05-17
[30] FR (16 61 143) 2016-11-17

---

[21] **2,984,552**
[13] A1
[51] **Int.Cl. F21V 15/015 (2006.01) F21S 8/06 (2006.01) F21V 21/005 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE MECHANICAL INTERCONNECT WITH ROTATIVE JOINING AND HIDDEN FEATURES**
[54] **INTERCONNEXION MECANIQUE D'APPAREIL D'ECLAIRAGE AU MOYEN D'UN RACCORD ROTATIF ET DE MECANISMES CACHES**
[72] GERMAIN, STEVE, CA
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-11-02
[41] 2018-05-17
[30] US (62/423,749) 2016-11-17
[30] US (15/638,405) 2017-06-30

---

[21] **2,984,557**
[13] A1
[51] **Int.Cl. F21V 15/015 (2006.01) F21S 8/04 (2006.01) F21V 21/005 (2006.01)**
[25] EN
[54] **LINEAR LIGHT FIXTURE INTERCONNECT WITH ANTI-SNAKING FEATURE**
[54] **INTERCONNEXION D'APPAREIL D'ECLAIRAGE LINEAIRE AU MOYEN D'UN MECANISME ANTI-SERPENTAGE**
[72] GERMAIN, STEVE, CA
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-11-02
[41] 2018-05-17
[30] US (62/423,577) 2016-11-17
[30] US (15/614,734) 2017-06-06

[21] **2,984,658**
[13] A1
[51] **Int.Cl. B60K 6/22 (2007.10) B60W 20/00 (2016.01)**
[25] EN
[54] **CONTROL APPARATUS FOR VEHICLE AND CONTROL METHOD FOR VEHICLE**
[54] **APPAREIL DE CONTROLE DE VEHICULE ET METHODE DE CONTROLE DE VEHICULE**
[72] GOTODA, KENJI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-11-03
[41] 2018-05-17
[30] JP (2016-224547) 2016-11-17

---

[21] **2,984,732**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **IN VITRO DIAGNOSTIC METHOD FOR ALZHEIMER'S DISEASE, BASED ON THE ALBUMIN REDOX LEVEL IN THE CEREBROSPINAL FLUID**
[54] **METHODE DE DIAGNOSTIC IN VITRO DE LA MALADIE D'ALZHEIMER, FONDEE SUR LE TAUX DE REDOX D'ALBUMINE DANS LE LIQUIDE CEREBROSPINAL**
[72] GRANCHA GAMON, SALVADOR, ES
[72] COSTA RIEROLA, MONTSERRAT, ES
[72] ORTIZ FERNANDEZ, ANA MARIA, ES
[71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
[22] 2017-11-03
[41] 2018-05-16
[30] ES (201631468) 2016-11-16

---

[21] **2,984,738**
[13] A1
[51] **Int.Cl. C08G 77/04 (2006.01) C08G 77/08 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **MIXTURES OF CYCLIC BRANCHED SILOXANES OF THE D/T TYPE AND CONVERSION PRODUCTS THEREOF**
[54] **MELANGES DE SILOXANES A RAMIFICATION CYCLIQUE DE TYPE D/T ET PRODUITS DE CONVERSION ASSOCIES**
[72] KNOTT, WILFRIED, DE
[72] DUDZIK, HORST, DE
[71] EVONIK DEGUSSA GMBH, DE
[22] 2017-11-06
[41] 2018-05-15
[30] EP (16198809.2) 2016-11-15
[30] EP (17156421.4) 2017-02-16

---

[21] **2,984,818**
[13] A1
[51] **Int.Cl. B65G 33/24 (2006.01) B65G 33/00 (2006.01)**
[25] EN
[54] **FLEXIBLE AUGER CONVEYOR**
[54] **TRANSPORTEUR A VIS FLEXIBLE**
[72] ROSS, STAN, CA
[71] RECOVER ENERGY SERVICES INC., CA
[22] 2017-11-07
[41] 2018-05-18
[30] US (62/423,917) 2016-11-18

---

[21] **2,984,852**
[13] A1
[51] **Int.Cl. H02G 3/02 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **ELECTRICAL BOX BAR HANGER**
[54] **SUPPORT DE BARRE DE COFFRET ELECTRIQUE**
[72] LALANCETTE, DANIEL, CA
[71] THOMAS & BETTS INTERNATIONAL LLC, US
[22] 2017-11-07
[41] 2018-05-15
[30] US (62/422,149) 2016-11-15

---

[21] **2,984,857**
[13] A1
[51] **Int.Cl. A47L 5/24 (2006.01) A47L 9/10 (2006.01) A47L 9/32 (2006.01)**
[25] EN
[54] **CLEANING DEVICE**
[54] **APPAREIL DE NETTOYAGE**
[72] WALKER, ANDREW, GB
[71] BLACK & DECKER INC., US
[22] 2017-11-07
[41] 2018-05-16
[30] EP (16199161.7) 2016-11-16

---

[21] **2,984,860**
[13] A1
[51] **Int.Cl. A47L 9/00 (2006.01) A47L 5/00 (2006.01) A47L 9/14 (2006.01) A47L 9/28 (2006.01) B30B 9/00 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR**
[72] WALKER, ANDREW, GB
[72] MUIR, DEREK, GB
[72] GREY, CAVAN, GB
[72] RICHARDSON, JACK, GB
[71] BLACK & DECKER INC., US
[22] 2017-11-07
[41] 2018-05-17
[30] EP (16199417.3) 2016-11-17
[30] EP (17185648.7) 2017-08-09

---

[21] **2,984,862**
[13] A1
[51] **Int.Cl. A47L 9/10 (2006.01) A47L 5/24 (2006.01)**
[25] EN
[54] **CLEANING DEVICE**
[54] **APPAREIL DE NETTOYAGE**
[72] REEVES, MARK, GB
[72] CRAWLEY, GRAEME, GB
[72] KIRKPATRICK, CONOR JAMES, GB
[71] BLACK & DECKER INC., US
[22] 2017-11-07
[41] 2018-05-16
[30] EP (16199098.1) 2016-11-16

[21] **2,984,938**
[13] A1
[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6844 (2018.01) C07H 21/04 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC MARKER FOR DETERMINING MEAT QUALITY TRAITS OF PIGS AND USE THEREOF**
[54] **MARQUEUR GENETIQUE SERVANT A DETERMINER LES TRAITS DE QUALITE DE LA VIANDE DE PORC ET UTILISATION ASSOCIEE**
[72] CHO, IN CHEOL, KR
[72] PARK, HEE BOK, KR
[72] LEE, JEONG WOONG, KR
[72] AHN, JIN SEOP, KR
[72] HAN, SANG HYUN, KR
[71] REPUBLIC OF KOREA (MANAGEMENT: RURAL DEVELOPMENT ADMINISTRATION), KR
[71] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY, KR
[71] JEJU NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION, KR
[22] 2017-11-08
[41] 2018-05-15
[30] KR (10-2016-0152247) 2016-11-15

---

[21] **2,984,950**
[13] A1
[51] **Int.Cl. H03H 7/48 (2006.01) A61B 5/0402 (2006.01) A61B 5/042 (2006.01) H03F 3/45 (2006.01) H03M 1/12 (2006.01)**
[25] EN
[54] **ASIC WITH SWITCHING NOISE REDUCTION**
[54] **CIRCUIT INTEGRE SPECIFIQUE A COMMUTATION DE REDUCTION DE BRUIT**
[72] GOVARI, ASSAF, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[72] EPHRATH, YARON, IL
[72] KHUDISH, OLEG, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-11-08
[41] 2018-05-14
[30] US (15/350,236) 2016-11-14

---

[21] **2,984,958**
[13] A1
[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 5/042 (2006.01) A61B 5/053 (2006.01)**
[25] EN
[54] **MARKING SPARSE AREAS ON MAPS**
[54] **MARQUAGES DE ZONES EPARSES SUR LES CARTES**
[72] KATZ, NATAN SHARON, IL
[72] ZAR, LIOR, IL
[72] COHEN, BENJAMIN, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-11-08
[41] 2018-05-15
[30] US (15/351,972) 2016-11-15

---

[21] **2,985,045**
[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06T 9/00 (2006.01)**
[25] EN
[54] **NOVEL VIEW SYNTHESIS USING DEEP CONVOLUTIONAL NEURAL NETWORKS**
[54] **SYNTHESE D'AFFICHAGE NOVATRICE EMPLOYANT DES RESEAUX NEURAUX CONVOLUTIONNELS PROFONDS**
[72] KWON, JUNGHYUN, US
[72] JI, DINGHUANG, US
[72] MCFARLAND, MAX, US
[72] SAVARESE, SILVIO, US
[71] RICOH COMPANY, LTD., JP
[22] 2017-11-09
[41] 2018-05-14
[30] US (15/351,340) 2016-11-14

---

[21] **2,985,058**
[13] A1
[51] **Int.Cl. B25B 27/02 (2006.01) B25B 27/00 (2006.01)**
[25] EN
[54] **BALL STUD SEPARATOR TOOL**
[54] **OUTIL SEPARATEUR DE PIVOT A ROTULE**
[72] DERUS, NICK, US
[72] SELLS, SCOTT, US
[72] THOMPSON, CHAD, US
[72] POTTER, BRIAN TODD, US
[72] REITH, KARL F., US
[71] CATERPILLAR INC., US
[22] 2017-11-09
[41] 2018-05-14
[30] US (15/350,211) 2016-11-14

---

[21] **2,985,064**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) B64D 41/00 (2006.01) H02H 7/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROTECTING A SOLID-STATE POWER CONTROLLER**
[54] **SYSTEME ET METHODE DE PROTECTION D'UN CONTROLEUR DE PUISSANCE A SEMI-CONDUCTEURS**
[72] HANDY, PETER JAMES, GB
[72] GLENNY, MICHAEL, GB
[71] GE AVIATION SYSTEMS LIMITED, GB
[22] 2017-11-09
[41] 2018-05-18
[30] GB (1619504.2) 2016-11-18

---

[21] **2,985,068**
[13] A1
[51] **Int.Cl. B25D 1/00 (2006.01)**
[25] EN
[54] **COMPACT HEAD BODY HAMMER**
[54] **MARTEAU DE CARROSSIER A TETE COMPACTE**
[72] NEUBAUER, KYLE, US
[72] MOWRY, MICHAEL R., US
[72] ANDERSEN, JONATHAN, US
[71] SNAP-ON INCORPORATED, US
[22] 2017-11-09
[41] 2018-05-14
[30] US (15/350,466) 2016-11-14

---

[21] **2,985,072**
[13] A1
[51] **Int.Cl. H02H 3/00 (2006.01) B60L 11/18 (2006.01) B60S 5/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGING CIRCUIT BREAKER**
[54] **DISJONCTEUR DE CIRCUIT DE RECHARGE DE VEHICULE ELECTRIQUE**
[72] ZHONG, KEVIN, CN
[72] XIONG, TOM, CN
[72] LACEY, DARRON KIRBY, US
[72] ZHANG, SOPHIA, CN
[72] DU, LILY, CN
[71] EATON CORPORATION, US
[22] 2017-11-09
[41] 2018-05-14
[30] US (15/350,244) 2016-11-14

[21] **2,985,220**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 50/30 (2016.01) A61B 90/00 (2016.01) A61F 2/12 (2006.01)**
[25] EN
[54] **DEVICE FOR THE DELIVERY OF A PROSTHETIC IMPLANT AND METHOD OF USE THEREOF**
[54] **DISPOSITIF DE DISTRIBUTION D'UN IMPLANT PROSTHETIQUE ET METHODE D'UTILISATION ASSOCIEE**
[72] ROSENBERG, PAUL, US
[71] PROXIMATE CONCEPTS LLC, US
[22] 2017-11-14
[41] 2018-05-15
[30] US (15/352,079) 2016-11-15

---

[21] **2,985,242**
[13] A1
[51] **Int.Cl. E21B 43/119 (2006.01) E21B 43/11 (2006.01)**
[25] EN
[54] **SWITCH SUB WITH TWO WAY SEALING FEATURES AND METHOD**
[54] **COMMUTATEUR AUXILIAIRE DOTE DE FONCTIONNALITES D'ETANCHEISATION DEUX VOIES ET METHODES**
[72] SULLIVAN, SHELBY IEE, US
[71] GEODYNAMICS, INC., US
[22] 2017-11-10
[41] 2018-05-17
[30] US (62/423,648) 2016-11-17

---

[21] **2,985,259**
[13] A1
[51] **Int.Cl. E04D 1/36 (2006.01) E04D 1/28 (2006.01) E04D 3/35 (2006.01) E04D 3/38 (2006.01) E04D 5/10 (2006.01)**
[25] EN
[54] **ASPHALT SHINGLES WITH A FIRE-RETARDANT ADDITIVE**
[54] **BARDEAUX D'ASPHALTE DOTES D'UN ADDITIF IGNIFUGEANT**
[72] VERHOFF, JONATHAN MICHAEL, US
[72] LEWIS, BARRY MICHAEL, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2017-11-10
[41] 2018-05-14
[30] US (62/421,471) 2016-11-14

---

[21] **2,985,266**
[13] A1
[51] **Int.Cl. G08G 1/052 (2006.01) G08G 1/017 (2006.01) B60R 21/34 (2011.01) G08G 1/054 (2006.01)**
[25] EN
[54] **PHOTOGRAPHIC SYSTEM FOR USE ON SCHOOL BUSES**
[54] **SYSTEME PHOTOGRAPHIQUE DESTINE AUX AUTOBUS SCOLAIRES**
[72] BEDARD, JACQUES, CA
[71] BEDARD, JACQUES, CA
[22] 2017-11-14
[41] 2018-05-14
[30] GB (1619284.1) 2016-11-14

---

[21] **2,985,269**
[13] A1
[51] **Int.Cl. B67D 1/08 (2006.01) B67D 3/00 (2006.01)**
[25] EN
[54] **PORTABLE WATER DISPENSER HAVING A PRESSURE BOOSTER FAUCET FOR PUSHING WATER THROUGH AN IONIZING DEVICE**
[54] **DISTRIBUTEUR D'EAU PORTATIF COMPORTANT UN ROBINET A PRESSION AUGMENTEE SERVANT A POUSSER L'EAU DANS UN APPAREIL D'IONISATION**
[72] GARCIA, VICENTE P., CA
[71] GARCIA, VICENTE P., CA
[22] 2017-11-14
[41] 2018-05-17
[30] GB (1619493.8) 2016-11-17

---

[21] **2,985,282**
[13] A1
[51] **Int.Cl. G09B 21/00 (2006.01) G09B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BRAILLE GRADING TOOLS**
[54] **SYSTEMES ET METHODES DE GESTION D'OUTILS DE CLASSEMENT EN BRAILLE**
[72] TKKUN, SEAN, US
[72] KELLY, STACY, US
[72] ADULSERANEE, ROSARIN, US
[71] BOARD OF TRUSTEES OF NORTHERN ILLINOIS UNIVERSITY, US
[22] 2017-11-09
[41] 2018-05-14
[30] US (62/421,600) 2016-11-14

---

[21] **2,985,428**
[13] A1
[51] **Int.Cl. F16L 33/22 (2006.01) F16L 13/00 (2006.01) F16L 19/08 (2006.01) F16L 33/207 (2006.01) F16L 47/00 (2006.01)**
[25] EN
[54] **INDICATING CRIMP RING**
[54] **BAGUE DE COMPRESSION DOTEE D'UN INDICATEUR**
[72] TWAROSKI, JACOB D., US
[71] ZURN INDUSTRIES, LLC, US
[22] 2017-11-14
[41] 2018-05-15
[30] US (62/422,468) 2016-11-15

---

[21] **2,985,432**
[13] A1
[51] **Int.Cl. C10M 133/16 (2006.01) C10M 159/20 (2006.01)**
[25] EN
[54] **LUBRICATING OIL ADDITIVES**
[54] **ADDITIFS D'HUILE LUBRIFIANTE**
[72] DOWDING, PETER JOHN, GB
[72] EIS, ELIN JOHANNA, GB
[71] INFINEUM INTERNATIONAL LIMITED, GB
[22] 2017-11-14
[41] 2018-05-14
[30] EP (16198670.8) 2016-11-14

---

[21] **2,985,433**
[13] A1
[51] **Int.Cl. G01V 13/00 (2006.01) G01V 1/18 (2006.01) G01V 1/36 (2006.01)**
[25] EN
[54] **VIBRATION-ANALYSIS SYSTEM AND METHOD THEREFOR**
[54] **SYSTEME D'ANALYSE DE VIBRATION ET METHODE ASSOCIEE**
[72] HOWE, WILSON, CA
[71] SYMROC BUSINESS AND PROJECT MANAGEMENT LTD., CA
[22] 2017-11-14
[41] 2018-05-14
[30] CA (2,967,629) 2017-05-19
[30] CA (2,948,437) 2016-11-14

[21] **2,985,436**
[13] A1
[51] **Int.Cl. E06B 9/38 (2006.01) E06B 9/264 (2006.01) E06B 9/36 (2006.01)**
[25] EN
[54] **LIGHT BLOCKING SYSTEM FOR VERTICAL BLIND**
[54] **SYSTEME DE BLOCAGE DE LUMIERE DESTINE A UN STORE VERTICAL**
[72] WEN, YU-CHE, CN
[72] CHANG, CHIH-YAO, CN
[72] CHEN, LIN, CN
[72] LU, CHIN-TAI, CN
[72] NIEN, KENG-HAO, CN
[72] NIEN, CHAO-HUNG, CN
[71] NIEN MADE ENTERPRISE CO., LTD., CN
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421,792) 2016-11-14

---

[21] **2,985,438**
[13] A1
[51] **Int.Cl. E04B 2/86 (2006.01)**
[25] EN
[54] **CONCRETE FORM WITH REMOVABLE SIDEWALL**
[54] **FORME DE BETON A PAROI AMOVIBLE**
[72] CROSBY, BRADLEY J., US
[71] AIRLITE PLASTICS CO., US
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421,657) 2016-11-14
[30] US (62/446,183) 2017-01-01

---

[21] **2,985,450**
[13] A1
[51] **Int.Cl. A61G 5/10 (2006.01) A61G 5/00 (2006.01) G08G 1/09 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **AUTOMATICALLY RECOMMENDING CHANGES TO WHEELCHAIR SETTING BASED ON USAGE DATA**
[54] **RECOMMANDATION AUTOMATIQUE DE CHANGEMENTS A UN PARAMETRE DE FAUTEUIL ROULANT FONDEE SUR LES DONNEES D'UTILISATION**
[72] EVANS, DAVID RICHARD, CA
[72] FERGUSON-PELL, MARTIN W., CA
[72] SALIMI, ZOHREH, CA
[71] REDLINER INC., CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421,684) 2016-11-14

---

[21] **2,985,512**
[13] A1
[51] **Int.Cl. B62D 55/00 (2006.01)**
[25] EN
[54] **ACTUATED SCRATCHERS FOR A TRACKED VEHICLE**
[54] **RACLEURS ACTIONNES DESTINES A UN VEHICULE CHENILLE**
[72] BERNIER, MORGAN L., US
[71] ARCTIC CAT INC., US
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421,577) 2016-11-14

---

[21] **2,985,580**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01) F21S 8/00 (2006.01) F21S 9/02 (2006.01) F21V 23/02 (2006.01) F21V 25/10 (2006.01) H02J 9/02 (2006.01)**
[25] EN
[54] **DUAL-DISTRIBUTION LIGHTING DEVICE FOR LIGHTING SYSTEMS**
[54] **APPAREIL D'ECLAIRAGE A DOUBLE DISTRIBUTION DESTINE A DES SYSTEMES D'ECLAIRAGE**
[72] NELSON, KENNETH EDWIN, US
[72] HANLEY, MICHAEL G., US
[72] BOWLES, DALE R., US
[71] ABL IP HOLDING LLC, US
[22] 2017-11-15
[41] 2018-05-18
[30] US (62/423,874) 2016-11-18

---

[21] **2,985,583**
[13] A1
[51] **Int.Cl. A01G 2/00 (2018.01) A01G 9/00 (2018.01)**
[25] EN
[54] **PLANTING SYSTEM FOR OPTIMIZATION OF PLANT GROWTH**
[54] **SYSTEME DE PLANTATION VISANT L'OPTIMISATION DE LA CROISSANCE DE VEGETAUX**
[72] KAMINSKI, KRISTOPHER R., US
[72] MARTIANGE, RYAN E., US
[71] PRECISION CULTIVATION SYSTEMS HOLDINGS, LLC, US
[22] 2017-11-14
[41] 2018-05-15
[30] US (15/351,939) 2016-11-15
[30] US (15/808,629) 2017-11-09

---

[21] **2,985,584**
[13] A1
[51] **Int.Cl. E04H 12/00 (2006.01)**
[25] EN
[54] **UTILITY OR METER POLE TOP REINFORCEMENT METHOD AND APPARATUS**
[54] **APPAREIL ET PROCEDE DE RENFORCEMENT DE DESSUS DE BORNE DE COMPTEUR D'ELECTRICITE OU DE SERVICE PUBLIC**
[72] BUTLER, ROBERT P., US
[71] PLS TECHNOLOGIES, INC., US
[22] 2017-11-15
[41] 2018-05-15
[30] US (15/352,176) 2016-11-15

[21] **2,985,586**
[13] A1
[51] **Int.Cl. E03B 3/03 (2006.01)**
[25] EN
[54] **STORMWATER MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DES EAUX DE PLUIE**
[72] ZARRAONANDIA, DAVID, US
[71] PRE-CON PRODUCTS, US
[22] 2017-11-15
[41] 2018-05-16
[30] US (15/352,902) 2016-11-16

---

[21] **2,985,591**
[13] A1
[51] **Int.Cl. G01S 17/74 (2006.01) A01C 23/02 (2006.01) A01G 7/00 (2006.01) C09K 11/00 (2006.01)**
[25] EN
[54] **METHOD TO USE A COLORED PHOTOLUMINESCENT COMPOSITION IN AGRICULTURAL APPLICATIONS**
[54] **METHODE D'UTILISATION DE COMPOSITION PHOTOLUMINESCENTE COLOREE DANS LES APPLICATIONS AGRICOLES**
[72] CAVANAUGH, KEVIN, US
[72] CARTWRIGHT, TIMOTHY B., US
[71] FLORATINE PRODUCTS GROUP, INC., US
[22] 2017-11-15
[41] 2018-05-16
[30] US (62/422,784) 2016-11-16

---

[21] **2,985,592**
[13] A1
[51] **Int.Cl. C02F 1/70 (2006.01) C01G 37/00 (2006.01) C02F 1/28 (2006.01) C02F 1/42 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOVING CHROMIUM FROM AQUEOUS MEDIA**
[54] **SYSTEMES ET METHODES D'EXTRACTION DE CHROME DE MILIEUX AQUEUX**
[72] ARNOLD, JAMES M., US
[71] WATER REMEDIATION TECHNOLOGY LLC, US
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421,778) 2016-11-14

---

[21] **2,985,604**
[13] A1
[51] **Int.Cl. A01G 23/06 (2006.01) B66C 3/04 (2006.01) E02F 3/413 (2006.01)**
[25] EN
[54] **GRAPPLE TIP DEVICE AND METHOD**
[54] **DISPOSITIF DE POINTE DE GRAPPIN ET METHODE**
[72] BREMNER, RYAN, CA
[71] BREMNER, RYAN, CA
[22] 2017-11-15
[41] 2018-05-15
[30] US (15352502) 2016-11-15

---

[21] **2,985,607**
[13] A1
[51] **Int.Cl. A21D 10/02 (2006.01) A21D 13/41 (2017.01) A21D 8/00 (2006.01) A21D 8/04 (2006.01) A21D 13/00 (2017.01)**
[25] EN
[54] **NON-PROOFED NON-FERMENTED YEAST RISING DOUGH AND METHOD FOR MAKING THE SAME**
[54] **PATE A LA LEVURE NON FERMENTEE, NON APPRETEE ET METHODE DE FABRICATION ASSOCIEE**
[72] CAI, RONGXUAN, US
[72] SUPRENANT, PAT, US
[72] KIRCKOF, AMBER, US
[71] SFC GLOBAL SUPPLY CHAIN, INC., US
[22] 2017-11-14
[41] 2018-05-15
[30] US (62/422,310) 2016-11-15

---

[21] **2,985,617**
[13] A1
[51] **Int.Cl. G06F 11/30 (2006.01) G06F 21/76 (2013.01) G06F 11/36 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR NON-INTRUSIVE PROGRAM TRACING FOR EMBEDDED COMPUTING SYSTEMS**
[54] **METHODE ET APPAREIL DE TRACAGE DE PROGRAMME NON INTRUSIF DESTINES A DES SYSTEMES INFORMATIQUES EMBARQUES**
[72] MORENO, CARLOS, CA
[72] FISCHMEISTER, SEBASTIAN, CA
[71] MORENO, CARLOS, CA
[71] FISCHMEISTER, SEBASTIAN, CA
[22] 2017-11-15
[41] 2018-05-15
[30] US (62/422565) 2016-11-15

---

[21] **2,985,747**
[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01) A63G 21/00 (2006.01)**
[25] EN
[54] **AMUSEMENT ATTRACTION HAVING SMART SENSING OR CONTROL CAPABILITIES**
[54] **MANEGE EQUIPE DE DETECTION INTELLIGENTE OU DE CAPACITES DE COMMANDE**
[72] SEBULSKY, RICHARD A., CA
[72] FINNEGAN, PATRICK L., US
[72] BARRERA, CLAUDIO J., CA
[72] KWASNICKI, TIMOTHY B., CA
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421806) 2016-11-14

[21] **2,985,748**
[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01)**
[25] EN
[54] **PLAY CENTER USING STRUCTURAL MONOLITHS FOR WATER DELIVERY CAPABILITIES**
[54] **MODULE DE JEU EMPLOYANT DES MONOLITHES STRUCTURAUX POUR OBTENIR LA CAPACITE DE DISTRIBUTION D'EAU**
[72] BRIGGS, RICK A., US
[72] SNYDER, RYAN G., US
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[22] 2017-11-14
[41] 2018-05-14
[30] US (62/421925) 2016-11-14

---

[21] **2,985,751**
[13] A1
[51] **Int.Cl. H02M 7/44 (2006.01) H02S 40/32 (2014.01) H02M 1/08 (2006.01)**
[25] EN
[54] **THREE-PHASE THREE-LEVEL INVERTER WITH REDUCED COMMON MODE LEAKAGE CURRENT**
[54] **ONDULEUR TROIS NIVEAUX ET TROIS PHASES, A COURANT DE FUITE EN MODE COMMUN REDUIT**
[72] JIAO, DA, US
[72] LIU, YU, US
[71] TOSHIBA INTERNATIONAL CORPORATION, US
[22] 2017-11-15
[41] 2018-05-15
[30] US (15/352,325) 2016-11-15

---

[21] **2,985,752**
[13] A1
[51] **Int.Cl. A01K 1/00 (2006.01)**
[25] EN
[54] **CATTLE STALL SYSTEM**
[54] **SYSTEME DE STALLE DE BETAIL**
[72] DE JONGE, JOHN, CA
[71] ARTEX BARN SOLUTIONS LTD., CA
[22] 2017-11-16
[41] 2018-05-16
[30] US (62423104) 2016-11-16

---

[21] **2,985,754**
[13] A1
[51] **Int.Cl. H02B 1/38 (2006.01) H02B 1/28 (2006.01)**
[25] EN
[54] **ONE OR MORE DOORS WITH ONE OR MORE ANGLED SIDE FLANGES FOR ELECTRICAL PANEL ENCLOSURE**
[54] **UNE OU PLUSIEURS PORTES AYANT UNE OU PLUSIEURS BRIDES LATERALES ANGULAIRES DESTINEES A UNE ENCEINTE DE PANNEAU ELECTRIQUE**
[72] REESE, ROBERT J., US
[72] HUGGINS, KEN, US
[72] MEVIUS, JASON S., US
[71] COOPER TECHNOLOGIES COMPANY, US
[22] 2017-11-16
[41] 2018-05-17
[30] US (62/423582) 2016-11-17

---

[21] **2,985,755**
[13] A1
[51] **Int.Cl. H02B 1/28 (2006.01) H02B 1/38 (2006.01)**
[25] EN
[54] **ELECTRICAL PANEL ENCLOSURE INCLUDING BAFFLE TO INHIBIT WATER INGRESS**
[54] **ENCEINTE DE PANNEAU ELECTRIQUE COMPORTANT UNE CHICANE SERVANT A EMPECHER LA PENETRATION D'EAU**
[72] REESE, ROBERT J., US
[72] HUGGINS, KEN, US
[72] MEVIUS, JASON S., US
[71] COOPER TECHNOLOGIES COMPANY, US
[22] 2017-11-16
[41] 2018-05-17
[30] US (62/423573) 2016-11-17

---

[21] **2,985,756**
[13] A1
[51] **Int.Cl. F24H 9/20 (2006.01) F22B 37/46 (2006.01) F23N 5/24 (2006.01) H01H 35/18 (2006.01)**
[25] EN
[54] **LOW WATER MECHANICAL CSD-1 MANUAL SWITCH CONVERSION TO ELECTRO-MECHANICAL SWITCH**
[54] **CONVERSION D'INTERRUPTEUR MANUEL CSD-1 MECANIQUE A FAIBLE DEBIT D'EAU EN INTERRUPTEUR ELECTROMECANIQUE**
[72] SHAH, PRATIK NARESH, US
[72] STEPHENS, RONAN, US
[72] GU, JAMES J., US
[71] FLUID HANDLING LLC, US
[22] 2017-11-16
[41] 2018-05-16
[30] US (62/422,802) 2016-11-16

---

[21] **2,985,762**
[13] A1
[51] **Int.Cl. B65B 51/02 (2006.01)**
[25] EN
[54] **SEALING APPARATUS AND METHOD FOR SEALING PACKAGES**
[54] **APPAREIL D'ETANCHEISATION ET METHODE D'ETANCHEISATION D'EMBALLAGES**
[72] THIENST, ANDREAS, DE
[72] WOLF, ACHIM, DE
[72] MAJOR, FRITZ, DE
[72] EGELKRAUT, UDO, DE
[72] BLUM, UWE, DE
[71] HARRO HOFLIGER VERPACKUNGSMASCHINEN GMBH, DE
[22] 2017-11-16
[41] 2018-05-17
[30] EP (16 400 052.3) 2016-11-17

[21] **2,985,772**
[13] A1
[51] **Int.Cl. E02F 3/36 (2006.01) E02F 3/40 (2006.01) E02F 9/28 (2006.01) E21C 27/30 (2006.01)**
[25] EN
[54] **MODULAR GROUND ENGAGEMENT TOOLING SYSTEM**
[54] **SYSTEME D'OUTILLAGE D'ENGAGEMENT DE SOL MODULAIRE**
[72] POPP, JAMES R., US
[72] NICOSON, RICHARD, US
[71] HARNISCHFEGER TECHNOLOGIES, INC., US
[22] 2017-11-16
[41] 2018-05-18
[30] US (62/424,161) 2016-11-18

---

[21] **2,985,774**
[13] A1
[51] **Int.Cl. B60N 2/04 (2006.01)**
[25] EN
[54] **SEAT BASE ASSEMBLY AND LATCHING ASSEMBLY FOR A REAR-ENTRY VEHICLE**
[54] **ASSEMBLAGE DE BASE DE SIEGE ET ASSEMBLAGE DE VERROU DESTINE A UN VEHICULE A ENTREE ARRIERE**
[72] MOSS, MATTHEW D., US
[71] THE BRAUN CORPORATION, US
[22] 2017-11-16
[41] 2018-05-18
[30] US (62/423,900) 2016-11-18
[30] US (15/812,071) 2017-11-14

---

[21] **2,985,779**
[13] A1
[51] **Int.Cl. E06B 3/44 (2006.01) E05D 13/00 (2006.01) E05D 15/24 (2006.01) E06B 3/48 (2006.01)**
[25] EN
[54] **IMPROVED OVERHEAD GARAGE DOOR SYSTEM WITH SEALING FEATURE**
[54] **SYSTEME DE PORTE DE GARAGE BASCULANTE AMELIORE DOTE D'UNE FONCTION D'ETANCHEISATION**
[72] BRUCKELMYER, DARYL W., US
[72] SUNDBERG, DAVID M., US
[71] BRUCKELMYER, DARYL W., US
[22] 2017-11-16
[41] 2018-05-18
[30] US (15/355693) 2016-11-18

---

[21] **2,985,782**
[13] A1
[51] **Int.Cl. B60R 5/04 (2006.01) B60J 11/06 (2006.01) B60P 7/02 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR SECURING AN AREA IN A VEHICLE, METHODS OF MAKING DEVICES FOR SECURING AN AREA IN A VEHICLE, AND VEHICLES WITH A DEVICE FOR SECURING AN AREA**
[54] **DISPOSITIFS ET METHODES DE SECURISATION D'UNE ZONE DANS UN VEHICULE, METHODE DE FABRICATION DE DISPOSITIFS SERVANT A SECURISER UNE ZONE DANS UN VEHICULE ET VEHICULE EQUIPE D'UN DISPOSITIF DE SECURISATION D'UNE ZONE**
[72] GOLDWITZ, BRIAN, US
[71] GOLDWITZ, BRIAN, US
[22] 2017-11-17
[41] 2018-05-17
[30] US (15/724,522) 2017-10-04
[30] US (62/423,765) 2016-11-17

---

[21] **2,985,785**
[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT EXPANDABLE BOLT**
[54] **BOULON EXPANSIBLE RESISTANT A LA CORROSION**
[72] STANKUS, JOHN C., US
[72] FAULKNER, DAKOTA, US
[72] MA, KEVIN JINRONG, US
[72] RAGER, DAVID, US
[71] FCI HOLDINGS DELAWARE, INC., US
[22] 2017-11-16
[41] 2018-05-17
[30] US (62/423,225) 2016-11-17

---

[21] **2,985,792**
[13] A1
[51] **Int.Cl. F25B 39/02 (2006.01) F25C 1/12 (2006.01)**
[25] EN
[54] **ICE MAKING MACHINE AND ICE CUBE EVAPORATOR**
[54] **MACHINE DE FABRICATION DE GLACE ET EVAPORATEUR DE CUBE DE GLACE**
[72] MELTON, GLENN O'NEAL, US
[72] WOLF, GREGG M., US
[72] SELLERS, DAVID ANGLIN, US
[72] TATUM, JEFFREY B., US
[72] AMALFITANO, ROBERT, US
[72] MIZUTANI, YASUKI, US
[72] BOGGS, JEFFREY BION, US
[72] HOTI, MILAIM, US
[71] HOSHIZAKI AMERICA, INC., US
[22] 2017-11-16
[41] 2018-05-17
[30] US (15/353,833) 2016-11-17

---

[21] **2,985,904**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01)**
[25] EN
[54] **APPARATUS FOR AUGMENTING VISION**
[54] **APPAREIL SERVANT A AUGMENTER LA VISION**
[72] GUPTA, AMITABHA, CA
[71] GUPTA, AMITABHA, CA
[22] 2017-11-17
[41] 2018-05-18
[30] US (15/355,707) 2016-11-18

---

[21] **2,985,921**
[13] A1
[51] **Int.Cl. F16B 19/10 (2006.01) B21J 15/02 (2006.01) B62D 53/00 (2006.01) F16B 5/04 (2006.01)**
[25] EN
[54] **HOLLOW SHANK RIVET AND RIVET COUPLING METHOD**
[54] **RIVET A TIGE CREUSE ET METHODE D'ACCOUPLEMENT DE RIVET**
[72] EHRLICH, RODNEY P., US
[72] KUNKEL, DAVID P., US
[71] WABASH NATIONAL, L.P., US
[22] 2017-11-17
[41] 2018-05-18
[30] US (62/423,955) 2016-11-18

[21] **2,985,940**
[13] A1
[51] **Int.Cl. H02J 3/38 (2006.01) H02J 3/40 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR LOCAL POWER GENERATION**
[54] **SYSTEME ET METHODE DE PRODUCTION D'ENERGIE LOCALE**
[72] VELTRI, JEFFREY ALLAN, CA
[71] VELTRI, JEFFREY ALLAN, CA
[22] 2017-11-16
[41] 2018-05-16
[30] US (62/423,072) 2016-11-16

---

[21] **2,985,946**
[13] A1
[51] **Int.Cl. G07D 5/00 (2006.01) G06K 7/10 (2006.01) G07F 1/06 (2006.01)**
[25] EN
[54] **INSPECTION SYSTEM, INSPECTING DEVICE AND GAMING CHIP**
[54] **SYSTEME D'INSPECTION, APPAREIL D'INSPECTION ET PUCE DE JEU**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL PLAYING CARDS CO., LTD., JP
[22] 2017-11-17
[41] 2018-05-18
[30] JP (2016-225540) 2016-11-18

---

[21] **2,985,950**
[13] A1
[51] **Int.Cl. G07D 5/00 (2006.01) G06K 7/10 (2006.01) G07F 1/06 (2006.01)**
[25] EN
[54] **INSPECTION SYSTEM, INSPECTING DEVICE, AND GAMING CHIP**
[54] **SYSTEME D'INSPECTION, APPAREIL D'INSPECTION ET PUCE DE JEU**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL PLAYING CARDS CO., LTD., JP
[22] 2017-11-17
[41] 2018-05-18
[30] JP (2016-225540) 2016-11-18
[30] JP (2017-100318) 2017-04-29

---

[21] **2,985,960**
[13] A1
[51] **Int.Cl. F24C 15/24 (2006.01) A47J 36/36 (2006.01) A47J 37/07 (2006.01) F24C 3/04 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DECREASING RADIATIVE HEAT FLUX OF INFRARED ENERGY**
[54] **DISPOSITIF ET METHODE SERVANT A DIMINUER LE FLUX DE CHALEUR RAYONNANTE D'ENERGIE INFRAROUGE**
[72] BEST, RACHAEL KEARSE, US
[71] BEST, RACHAEL KEARSE, US
[22] 2017-11-17
[41] 2018-05-17
[30] US (15/814,977) 2017-11-16
[30] US (62/423,520) 2016-11-17

---

[21] **2,985,961**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G16H 10/00 (2018.01) G06F 17/27 (2006.01)**
[25] EN
[54] **DOMAIN SPECIFIC LANGUAGE TO QUERY MEDICAL DATA**
[54] **LANGAGE PROPRE AU DOMAINE SERVANT A FAIRE UNE REQUETE DE DONNEES MEDICALES**
[72] BELCHER, THOMAS, AU
[72] MCKENNA, SIMON, AU
[71] RADICALOGIC TECHNOLOGIES, INC. DBA RL SOLUTIONS, CA
[22] 2017-11-17
[41] 2018-05-17
[30] US (62/423,429) 2016-11-17

---

[21] **2,985,964**
[13] A1
[51] **Int.Cl. F24D 15/04 (2006.01) F24F 11/30 (2018.01) F24T 50/00 (2018.01) F24D 3/18 (2006.01) F24D 5/12 (2006.01) F24D 19/00 (2006.01)**
[25] EN
[54] **HYBRID RESIDENTIAL GROUND-COUPLED HEAT PUMP**
[54] **POMPE A CHALEUR RESIDENTIELLE HYBRIDE COUPLEE A LA TERRE**
[72] CRAWFORD, ROY, US
[71] TRANE INTERNATIONAL INC., US
[22] 2017-11-17
[41] 2018-05-18
[30] US (62/424,160) 2016-11-18

---

[21] **2,985,972**
[13] A1
[51] **Int.Cl. B65D 6/18 (2006.01) B65D 6/16 (2006.01)**
[25] EN
[54] **COLLAPSIBLE CONTAINER**
[54] **CONTENANT ECRASABLE**
[72] ENGLERT, TRAVIS JAMES, US
[72] APPS, WILLIAM P., US
[72] KALINOWSKI, DANE GIN MUN, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2017-11-17
[41] 2018-05-17
[30] US (62/423,728) 2016-11-17

---

[21] **2,985,983**
[13] A1
[51] **Int.Cl. A47C 1/00 (2006.01) A47C 4/44 (2006.01) A47C 13/00 (2006.01)**
[25] EN
[54] **PORTABLE ADJUSTABLE CHAIR**
[54] **CHAISE REGLABLE PORTATIVE**
[72] BROWN, SHAUN WALTER, CA
[71] BROWN, SHAUN WALTER, CA
[22] 2017-11-17
[41] 2018-05-18
[30] US (62/423,921) 2016-11-18

---

[21] **2,986,170**
[13] A1
[51] **Int.Cl. G09F 9/00 (2006.01) E01F 9/662 (2016.01) G05D 3/00 (2006.01) G08G 1/01 (2006.01) G01P 5/06 (2006.01)**
[25] EN
[54] **PORTABLE TRAFFIC MESSAGE SIGN**
[54] **PANNEAU DE MESSAGE DE CIRCULATION PORTATIF**
[72] NICHOLSON, BRIAN, US
[72] NICHOLSON, ADAM, US
[71] ADDCO ACQUISITION LLC, US
[22] 2017-11-20
[41] 2018-05-18
[30] US (62/423,822) 2016-11-18

[21] **2,997,766**
[13] A1
[51] **Int.Cl. F03D 3/04 (2006.01)**
[25] EN
[54] **COMPOUNDED, INTERACTIVE VORTEX ACCELERATION RECOVERY ENERGY TOWER, NAMED: CIVAR ENERGY TOWER**
[54] **TOUR D'ENERGIE DE RECUPERATION A ACCELERATION DE TOURBILLON INTERACTIVE COMPOSEE NOMMEE TOUR D'ENERGIE CIVAR**
[72] MIZERIT, BRANKO, CA
[71] MIZERIT, BRANKO, CA
[22] 2018-03-08
[41] 2018-05-16

---

[21] **2,998,260**
[13] A1
[51] **Int.Cl. E04C 3/00 (2006.01) E04C 3/04 (2006.01) E04C 3/12 (2006.01)**
[25] EN
[54] **FRAMING LUMBER AND METAL FRAMING PROFILES WITH PRE-MARKED PLACEMENTS GUIDES**
[54] **BOIS DE CHARPENTE ET PROFILES DE CHARPENTE METALLIQUE DOTES DE GUIDES DE POSITIONNEMENT PREMARQUES**
[72] FROESE, ANDREAS, CA
[71] FROESE, ANDREAS, CA
[22] 2018-03-19
[41] 2018-05-18

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **2,981,218**
[13] A1
[51] **Int.Cl. C10G 27/02 (2006.01) C10G 27/12 (2006.01)**
[25] EN
[54] **PROCESS FOR MANAGING SULPHUR SPECIES**
[54] **PROCEDE DE CONTROLE D'ESPECES SOUFREES**
[72] PORTER, TERRY, CA
[72] SIH, BRYAN, CA
[71] CES TECHNOLOGY S.A.R.L., LU
[85] 2017-09-28
[86] 2016-06-17 (PCT/IB2016/053627)
[87] (WO2016/203449)
[30] US (62/181,023) 2015-06-17

---

[21] **2,981,241**
[13] A1
[51] **Int.Cl. B41F 16/00 (2006.01) B26D 1/40 (2006.01) B26D 5/32 (2006.01) B26F 1/38 (2006.01) B41F 13/02 (2006.01) B41F 13/56 (2006.01) B41F 19/00 (2006.01) B41F 19/06 (2006.01) B41F 33/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING, PRINTING OR EMBOSSING**
[54] **APPAREIL ET PROCEDE PERMETTANT DE COUPER, D'IMPRIMER OU DE GAUFRER**
[72] ADAMS, MIKE, GB
[72] WRACK, PHIL, GB
[71] AB GRAPHIC INTERNATIONAL LTD, GB
[85] 2017-09-28
[86] 2016-05-19 (PCT/GB2016/000102)
[87] (WO2016/193650)
[30] GB (GB1509471.7) 2015-06-02

---

[21] **2,981,449**
[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04W 52/34 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **TRANSMISSION POWER CONTROL FOR AN UPLINK CONTROL CHANNEL**
[54] **REGULATION DE PUISSANCE D'EMISSION POUR UN CANAL DE COMMANDE EN LIAISON MONTANTE**
[72] PAPASAKELLARIOU, ARIS, US
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-09-29
[86] 2016-04-06 (PCT/KR2016/003612)
[87] (WO2016/163759)
[30] US (62/143,603) 2015-04-06
[30] US (62/172,946) 2015-06-09
[30] US (62/191,309) 2015-07-10
[30] US (15/089,314) 2016-04-01

---

[21] **2,981,638**
[13] A1
[51] **Int.Cl. H04L 12/801 (2013.01) H04L 12/825 (2013.01) H04L 12/835 (2013.01)**
[25] EN
[54] **DATA FLOW CONTROL METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE COMMANDE DE FLUX DE DONNEES**
[72] DO, MANH HUNG PETER, CA
[72] CAO, SHUXUN, CN
[71] ORBITAL MULTI MEDIA HOLDINGS CORPORATION, VG
[85] 2017-10-03
[86] 2015-04-01 (PCT/GB2015/051026)
[87] (WO2015/150812)
[30] GB (1406048.7) 2014-04-03
[30] GB (1418455.0) 2014-10-17

---

[21] **2,981,650**
[13] A1
[51] **Int.Cl. G02F 1/29 (2006.01) G02F 1/01 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SIMULATING ELECTROMAGNETIC RADIATION PATH MODIFYING DEVICES**
[54] **PROCEDE ET APPAREIL PERMETTANT DE SIMULER DES DISPOSITIFS MODIFICATEURS DE TRAJET DU RAYONNEMENT ELECTROMAGNETIQUE**
[72] JONES, CHRISTOPHER CHARLES RAWLINSON, GB
[72] COLOSIMO, NICHOLAS GIACOMO ROBERT, GB
[71] BAE SYSTEMS PLC, GB
[85] 2017-10-03
[86] 2016-04-04 (PCT/GB2016/050948)
[87] (WO2016/162668)
[30] GB (1506079.1) 2015-04-10
[30] EP (15275113.7) 2015-04-10

---

[21] **2,981,760**
[13] A1
[51] **Int.Cl. H01H 89/00 (2006.01) H01H 7/00 (2006.01) H02H 3/02 (2006.01) H02H 7/20 (2006.01) H02H 7/26 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **JUNCTION BOX AND NETWORK FOR DISTRIBUTING ENERGY**
[54] **BOITIER DE RACCORDEMENT ET RESEAU DE DISTRIBUTION D'ENERGIE**
[72] WITT, JOHN, DE
[72] HUHMANN, ANDREAS, DE
[71] HARTING ELECTRIC GMBH & CO. KG, DE
[85] 2017-10-04
[86] 2016-03-23 (PCT/DE2016/100139)
[87] (WO2016/162012)
[30] DE (10 2015 105 370.5) 2015-04-09

[21] **2,981,869**
[13] A1
[51] **Int.Cl. G02B 1/11 (2015.01) G02B 1/111 (2015.01) G06F 1/16 (2006.01)**
[25] EN
[54] **COMPONENT AND ELECTRONIC DEVICE**
[54] **COMPOSANTE ET DISPOSITIF ELECTRONIQUE**
[72] ZHAO, KUIBING, CN
[72] GUO, WENPING, CN
[72] MA, DONG, CN
[72] GUO, JINHAI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-10
[86] 2016-06-08 (PCT/CN2016/085349)
[87] (2981869)

---

[21] **2,981,922**
[13] A1
[51] **Int.Cl. H01R 13/514 (2006.01) H01R 13/518 (2006.01) H01R 13/652 (2006.01)**
[25] EN
[54] **MODULAR PLUG CONNECTOR**
[54] **CONNECTEUR ENFICHABLE MODULAIRE**
[72] SCHLEGEL, BERNARD, DE
[71] HARTING ELECTRIC GMBH & CO. KG, DE
[85] 2017-10-05
[86] 2016-04-18 (PCT/DE2016/100182)
[87] (WO2016/173581)
[30] DE (10 2015 106 416.2) 2015-04-27

---

[21] **2,982,419**
[13] A1
[51] **Int.Cl. H05K 3/04 (2006.01) B41J 2/32 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR MANUFACTURING PRINTED CIRCUIT BOARDS FOR ELECTRICAL AND/OR ELECTRONIC CIRCUITS**
[54] **DISPOSITIF ET METHODE DE FABRICATION DE CARTES DE CIRCUIT IMPRIME DESTINEES A DES CIRCUITS ELECTRIQUES OU ELECTRONIQUES**
[72] FRANCK, JAN, DE
[71] FRANCK, JAN, DE
[85] 2017-10-11
[86] 2016-04-13 (PCT/IB2016/000465)
[87] (WO2016/166590)
[30] DE (102015004508.3) 2015-04-13

---

[21] **2,982,431**
[13] A1
[51] **Int.Cl. H01R 13/62 (2006.01) H01R 13/627 (2006.01)**
[25] EN
[54] **CONNECTOR ASSEMBLY**
[54] **ENSEMBLE CONNECTEUR**
[72] DAVIES, MARCUS, GB
[72] GARDNER, ANDREW, GB
[72] WHITWORTH, DAVID, GB
[71] AB CONNECTORS LTD, GB
[85] 2017-10-11
[86] 2016-04-14 (PCT/GB2016/051044)
[87] (WO2016/166538)
[30] GB (1506418.1) 2015-04-15
[30] GB (1516325.6) 2015-09-15

---

[21] **2,982,798**
[13] A1
[51] **Int.Cl. H02P 9/02 (2006.01) H02P 29/024 (2016.01)**
[25] EN
[54] **METHOD FOR DETECTING AN IMMINENT POLE SLIP**
[54] **PROCEDE POUR LA RECONNAISSANCE D'UN GLISSEMENT DE POLE IMMINENT**
[72] FAHRINGER, ALBERT, AT
[72] KRUCKENHAUSER, ERICH, AT
[71] GE JENBACHER GMBH & CO OG, AT
[85] 2017-10-05
[86] 2016-04-11 (PCT/AT2016/000036)
[87] (WO2016/164944)
[30] AT (A 233/2015) 2015-04-17

---

[21] **2,983,241**
[13] A1
[51] **Int.Cl. H05B 37/00 (2006.01) F21K 9/00 (2016.01) F21S 4/24 (2016.01) F21V 23/00 (2015.01) H05B 37/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RETROFITTING FLUORESCENT TUBE LAMPS TO LIGHT EMITTING DIODES**
[54] **METHODE ET APPAREIL DE TRANSFORMATION DE LAMPES A TUBE FLUORESCENT EN DIODES ELECTROLUMINESCENTES**
[72] KWOK, LEO, US
[72] YU, SIMON SIU-CHI, US
[71] SHENZHEN SOLAR SMART TECHNOLOGY CO., LTD., CN
[71] ULUXUS LLC, US
[85] 2017-10-23
[86] 2017-05-10 (PCT/CN2017/083748)
[87] (2983241)
[30] US (62/494,942) 2016-08-27
[30] US (15/433,778) 2017-02-15

---

[21] **2,983,801**
[13] A1
[51] **Int.Cl. G05D 23/19 (2006.01) G06K 19/07 (2006.01) G01K 7/02 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROLLER**
[54] **REGULATEUR DE TEMPERATURE**
[72] NEWTON, MARK, GB
[71] LMK THERMOSAFE LIMITED, GB
[85] 2017-10-24
[86] 2016-05-27 (PCT/GB2016/051540)
[87] (WO2017/001815)
[30] GB (1511455.6) 2015-06-30

[21] **2,983,925**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **MANAGEMENT OF MULTIPLE CLUSTERS OF DISTRIBUTED FILE SYSTEMS**
[54] **GESTION DE GROUPEMENTS MULTIPLES DE SYSTEMES DE FICHIERS DISTRIBUES**
[72] GUO, LEI, CA
[72] CHEN, JIN, CA
[72] CHEN, CHONG, CA
[72] KE, XIAODI, CA
[72] CHEN, CHEN, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-26
[86] 2017-08-07 (PCT/CN2017/096233)
[87] (2983925)
[30] US (15/585,815) 2017-05-03
[30] US (62/422,751) 2016-11-16

---

[21] **2,984,086**
[13] A1
[51] **Int.Cl. H02J 3/24 (2006.01) H02J 3/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **CONTROL OF AN ELECTRICAL POWER NETWORK**
[54] **COMMANDE D'UN RESEAU ELECTRIQUE MAILLE**
[72] WILSON, DOUGLAS, GB
[72] BAGLEYBTER, OLEG, GB
[72] NORRIS, SEAN, GB
[72] MALEKA, KYRIAKI, GB
[71] ALSTOM GRID UK LIMITED, GB
[85] 2017-10-26
[86] 2016-04-29 (PCT/GB2016/051259)
[87] (WO2016/174476)
[30] GB (1507349.7) 2015-04-29

---

[21] **2,984,465**
[13] A1
[51] **Int.Cl. H01R 13/506 (2006.01) H01R 13/74 (2006.01) H01R 12/79 (2011.01) H01R 13/62 (2006.01)**
[25] EN
[54] **A METHOD OF MOUNTING AN ELECTRICAL CONNECTOR TO FLEXIBLE PLANAR MATERIAL AND APPARATUS THEREFOR**
[54] **PROCEDE DE MONTAGE D'UN CONNECTEUR ELECTRIQUE SUR UN MATERIAU PLAN FLEXIBLE ET APPAREIL ASSOCIE**
[72] DAVIES, MARCUS, GB
[72] GARDNER, ANDREW, GB
[72] WHITWORTH, DAVID, GB
[71] AB CONNECTORS LTD, GB
[85] 2017-10-31
[86] 2016-04-29 (PCT/GB2016/051261)
[87] (WO2016/178010)
[30] GB (1507591.4) 2015-05-01
[30] GB (1516315.7) 2015-09-15

---

[21] **2,984,479**
[13] A1
[51] **Int.Cl. H03M 13/27 (2006.01) H03M 13/11 (2006.01)**
[25] EN
[54] **RECEIVER AND SIGNAL PROCESSING METHOD THEREOF**
[54] **RECEPTEUR ET SON PROCEDE DE TRAITEMENT DE SIGNAL**
[72] OH, YOUNG-HO, KR
[72] MYUNG, SE-HO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-10-31
[86] 2016-05-27 (PCT/KR2016/005638)
[87] (WO2016/195331)
[30] KR (10-2015-0076544) 2015-05-29

---

[21] **2,984,569**
[13] A1
[51] **Int.Cl. C07K 14/435 (2006.01) A61K 38/10 (2006.01) A61K 38/17 (2006.01) C07K 1/36 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **A SCORPION VENOM HEAT-RESISTANT SYNTHETIC PEPTIDE AND APPLICATIONS THEREOF**
[54] **UN PEPTIDE SYNTHETIQUE DU VENIN DE SCORPION RESISTANT A LA CHALEUR ET UTILISATIONS ASSOCIEES**
[72] ZHAO, JIE, CN
[72] LI, SHAO, CN
[72] ZHANG, WANQIN, CN
[71] DALIAN MEDICAL UNIVERSITY, CH
[85] 2018-01-03
[86] 2016-12-26 (PCT/CN2016/112078)
[87] (2984569)
[30] CN (201610645111.7) 2016-08-08

---

[21] **2,984,657**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENSURING QUALITY OF SERVICE IN A COMPUTE WORKFLOW**
[54] **SYSTEME ET METHODE PERMETTANT D'ASSURER LA QUALITE DE SERVICE DANS UN FLUX DE TRAVAIL CALCULE**
[72] SANJABI, SAM, CA
[72] CHEN, CHONG, CA
[72] POURNAGHI, REZA, CA
[72] BERGSMA, SHANE ANTHONY, CA
[72] PEI, WEI, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-11-03
[86] 2017-08-07 (PCT/CN2017/096235)
[87] (2984657)
[30] US (15/607,721) 2017-05-30
[30] US (62/423,894) 2016-11-18

[21] **2,984,887**
[13] A1
[51] **Int.Cl. H04B 10/116 (2013.01)**
[25] EN
[54] **METHOD FOR CHANGING THE IDENTIFICATION CODE OF A LIGHT SOURCE IN VISIBLE LIGHT COMMUNICATION SYSTEMS**
[54] **PROCEDE POUR CHANGER LE CODE D'IDENTIFICATION D'UNE SOURCE DE LUMIERE DANS DES SYSTEMES DE COMMUNICATION PAR LUMIERE VISIBLE**
[72] SAES, MARC, NL
[72] LYDECKER, STEPHEN HAIGHT, US
[71] ELDOLAB HOLDING B.V., NL
[85] 2017-11-02
[86] 2016-05-03 (PCT/NL2016/050318)
[87] (WO2016/178572)
[30] NL (2014776) 2015-05-07

---

[21] **2,985,018**
[13] A1
[51] **Int.Cl. H01R 13/52 (2006.01) H01R 13/447 (2006.01)**
[25] EN
[54] **PROTECTIVE CAP FOR AN ATTACHMENT HOUSING**
[54] **COUVERCLE DE PROTECTION POUR UN BOITIER RAPPORTE**
[72] GRIEPENSTROH, SEBASTIAN, DE
[72] SCHENK, FLORIAN, DE
[71] HARTING ELECTRIC GMBH & CO. KG, DE
[85] 2017-11-03
[86] 2016-03-30 (PCT/DE2016/100150)
[87] (WO2016/177360)
[30] DE (10 2015 106 963.6) 2015-05-05

---

[21] **2,985,139**
[13] A1
[51] **Int.Cl. G02B 21/00 (2006.01) G02B 21/06 (2006.01) G02B 21/32 (2006.01) G21K 1/00 (2006.01)**
[25] EN
[54] **LIGHT SHEET IMAGING MICROSCOPY USING AN OPTICAL TRAP**
[54] **MICROSCOPIE A FEUILLET DE LUMIERE POUR APPLICATIONS D'IMAGERIE UTILISANT UN PIEGE OPTIQUE**
[72] YANG, ZHENGYI, GB
[72] DHOLAKIA, KISHAN, GB
[71] UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS, GB
[85] 2017-11-06
[86] 2016-05-09 (PCT/GB2016/051317)
[87] (WO2016/185170)
[30] GB (1508376.9) 2015-05-15

---

[21] **2,985,299**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01) H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REPORTING MESSAGE DISPOSITION IN A COMMUNICATION NETWORK**
[54] **PROCEDE ET SYSTEME DE NOTIFICATION DE DISPOSITION DE MESSAGE, DANS UN RESEAU DE COMMUNICATIONS**
[72] BADULESCU, CRISTINA, CA
[72] SURDILA, SORIN, CA
[72] GREENE, NANCY M., CA
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2017-11-07
[86] 2016-05-19 (PCT/IB2016/052957)
[87] (WO2016/185429)
[30] US (62/163,797) 2015-05-19

---

[21] **2,985,426**
[13] A1
[51] **Int.Cl. H02J 3/14 (2006.01) H02J 3/00 (2006.01)**
[25] EN
[54] **CONTROL METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE CONTROLE**
[72] BELL, SARA, GB
[71] TEMPUS ENERGY LIMITED, GB
[85] 2017-07-17
[86] 2016-01-20 (PCT/GB2016/050114)
[87] (WO2016/116743)
[30] GB (1501028.3) 2015-01-21
[30] GB (1519566.2) 2015-11-05

---

[21] **2,985,559**
[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01) A61C 13/08 (2006.01)**
[25] FR
[54] **ARTIFICIAL ROOT CANAL SIMULATOR BASED ON HYDROXYAPATITE**
[54] **SIMULATEUR CANALAIRE ENDODONTIQUE ARTIFICIEL A BASE D'HYDROXYAPATITE**
[72] ROBBERECHT, LIEVEN, FR
[72] HORNEZ, JEAN-CHRISTOPHE, FR
[72] CHAI, FENG, FR
[72] DEVEAUX, ETIENNE, FR
[72] LERICHE, ANNE, BE
[72] HORNEZ, VINCENT, FR
[72] BECAVIN, THIBAULT, FR
[72] DEHURTEVENT, MARION, FR
[71] CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE LILLE (CHRU), FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE VALENCIENNES ET DU HAINAUT-CAMBRESIS, FR
[71] UNIVERSITE DE LILLE 2 DROIT ET SANTE, FR
[85] 2017-11-09
[86] 2016-05-26 (PCT/FR2016/051241)
[87] (WO2016/189252)
[30] FR (15 54777) 2015-05-27

[21] **2,985,959**
[13] A1
[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **REWRITABLE LENS AND METHOD OF MANUFACTURING**
[54] **LENTILLE REINSCRIPTIBLE ET PROCEDE DE FABRICATION**
[72] VAZQUEZ, DANIEL CRESPO, US
[72] QUIROGA, JUAN ANTONIO, ES
[72] FERNANDEZ, JOSE ALONSO, ES
[71] INDIZEN OPTICAL TECHNOLOGIES, S.L., ES
[85] 2017-11-14
[86] 2016-03-07 (PCT/IB2016/051275)
[87] (WO2016/207736)
[30] US (14/748,134) 2015-06-23

---

[21] **2,986,053**
[13] A1
[51] **Int.Cl. H02M 1/08 (2006.01) H02M 3/158 (2006.01) H03K 17/687 (2006.01)**
[25] FR
[54] **DC-DC CONVERTER BLOCK, DC-DC CONVERTER COMPRISING SAME AND ASSOCIATED SYSTEM ENVELOPE TRACKING SYSTEM**
[54] **BLOC CONVERTISSEUR CONTINU-CONTINU, CONVERTISSEUR CONTINU-CONTINU LE COMPRENANT ET SYSTEME DE SUIVI D'ENVELOPPE ASSOCIE**
[72] GATARD, EMMANUEL, FR
[72] LACHAUD, PIERRE, FR
[71] WUPATEC, FR
[85] 2017-11-15
[86] 2016-05-26 (PCT/FR2016/051240)
[87] (WO2016/193578)
[30] FR (1554917) 2015-05-29

---

[21] **2,986,189**
[13] A1
[51] **Int.Cl. H01R 13/523 (2006.01) B63J 3/04 (2006.01) H02G 11/00 (2006.01)**
[25] FR
[54] **COMPACT CONNECTOR AND COMPACT SOCKET FOR ELECTRICALLY POWERING A PORTABLE DEVICE FROM A FIXED NETWORK**
[54] **CONNECTEUR ET EMBASE COMPACTS POUR ALIMENTER ELECTRIQUEMENT UN MOBILE A PARTIR D'UN RESEAU FIXE**
[72] FEGER, DAMIEN, FR
[71] NEW GENERATION NATURAL GAS NATURAL GROWTH, FR
[85] 2017-11-16
[86] 2016-05-19 (PCT/FR2016/051183)
[87] (WO2016/185144)
[30] FR (1501047) 2015-05-19

---

[21] **2,986,357**
[13] A1
[51] **Int.Cl. H05K 3/28 (2006.01)**
[25] EN
[54] **COATED ELECTRICAL ASSEMBLY**
[54] **ENSEMBLE ELECTRIQUE A REVETEMENT**
[72] ARESTA, GIANFRANCO, GB
[72] HENNIGHAN, GARETH, GB
[72] BROOKS, ANDREW SIMON HALL, GB
[72] SINGH, SHAILENDRA VIKRAM, GB
[71] SEMBLANT LIMITED, GB
[85] 2017-11-17
[86] 2016-06-09 (PCT/GB2016/051702)
[87] (WO2016/198870)
[30] GB (1510091.0) 2015-06-10

---

[21] **2,986,370**
[13] A1
[51] **Int.Cl. B41J 2/447 (2006.01) B41J 2/45 (2006.01) B41J 2/455 (2006.01) G03G 15/04 (2006.01)**
[25] EN
[54] **IMAGING DEVICE**
[54] **DISPOSITIF D'IMAGERIE**
[72] RUBIN BEN HAIM, NIR, IL
[72] NAGLER, MICHAEL, IL
[72] LANDA, BENZION, IL
[72] KASHTI, TAMAR, IL
[72] AKNIN, OFER, IL
[72] YOGEV, RONEN, IL
[72] TZUR, ITAI, IL
[71] LANDA LABS (2012) LTD., IL
[85] 2017-11-17
[86] 2016-05-27 (PCT/IB2016/053137)
[87] (WO2016/189510)
[30] GB (1509073.1) 2015-05-27
[30] GB (1509077.2) 2015-05-27

---

[21] **2,986,409**
[13] A1
[51] **Int.Cl. H02B 1/06 (2006.01) H02B 1/04 (2006.01)**
[25] EN
[54] **ELECTRICAL EQUIPMENT WITH ADDITIONAL COMPARTMENT AND WIRING TO ACCOUNT FOR TEMPERATURE LIMITATIONS OF CONNECTED CONDUCTORS**
[54] **EQUIPEMENT ELECTRIQUE A COMPARTIMENT SUPPLEMENTAIRE ET CABLAGE SERVANT A TENIR COMPTE DES LIMITES DE TEMPERATURE DES CONDUCTEURS CONNECTES**
[72] KARLE, SHAWN MURRAY, CA
[71] KARLE, SHAWN MURRAY, CA
[85] 2017-11-22
[86] 2017-05-19 (PCT/CA2017/050617)
[87] (2986409)
[30] US (62/368,573) 2016-07-29

[21] **2,986,514**
[13] A1
[51] **Int.Cl. B41J 2/447 (2006.01) B41J 2/45 (2006.01) B41J 2/455 (2006.01) G03G 15/04 (2006.01)**
[25] EN
[54] **IMAGING DEVICE**
[54] **DISPOSITIF D'IMAGERIE**
[72] NAGLER, MICHAEL, IL
[72] RUBIN BEN HAIM, NIR, IL
[72] AKNIN, OFER, IL
[72] LANDA, BENZION, IL
[71] LANDA LABS (2012) LTD., IL
[85] 2017-11-20
[86] 2016-05-27 (PCT/IB2016/053138)
[87] (WO2016/189511)
[30] GB (1509073.1) 2015-05-27
[30] GB (1509077.2) 2015-05-27

---

[21] **2,986,518**
[13] A1
[51] **Int.Cl. B41J 2/447 (2006.01) B41J 2/45 (2006.01) B41J 2/455 (2006.01) G03G 15/04 (2006.01)**
[25] EN
[54] **PRINTING METHOD AND APPARATUS FOR COATING SELECTED REGIONS OF A SUBSTRATE WITH A FILM**
[54] **APPAREIL ET PROCEDE D'IMPRESSION POUR RECOUVRIR DES REGIONS SELECTIONNEES DE SUBSTRAT AVEC UN FILM**
[72] LANDA, BENZION, IL
[72] KRASSILNIKOV, ANTON, US
[72] NAGLER, MICHAEL, IL
[72] ADLER, ARIEL, IL
[72] RUBIN BEN HAIM, NIR, IL
[72] AKNIN, OFER, IL
[72] YOGEV, RONEN, IL
[71] LANDA LABS (2012) LTD, IL
[85] 2017-11-20
[86] 2016-05-27 (PCT/IB2016/053139)
[87] (WO2016/189512)
[30] GB (1509073.1) 2015-05-27
[30] GB (1509077.2) 2015-05-27
[30] GB (1509081.4) 2015-05-27

---

[21] **2,986,527**
[13] A1
[51] **Int.Cl. B41F 19/00 (2006.01) B05C 1/00 (2006.01) B05D 1/00 (2006.01) B41M 5/00 (2006.01)**
[25] EN
[54] **COATING APPARATUS**
[54] **APPAREIL D'APPLICATION DE REVETEMENT**
[72] LANDA, BENZION, IL
[72] KRASSILNIKOV, ANTON, US
[72] FAHIMA, MOSHE, IL
[72] YAKHEL, VADIM, IL
[71] LANDA LABS (2012) LTD, IL
[85] 2017-11-20
[86] 2016-05-27 (PCT/IB2016/053140)
[87] (WO2016/189513)
[30] GB (1509080.6) 2015-05-27
[30] GB (1514618.6) 2015-08-17

---

[21] **2,986,657**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING AIRCRAFT STATUS**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE D'ETAT D'AERONEF**
[72] LACROIX, YANIK, CA
[72] GIBSON, PAUL, GB
[71] SITA INFORMATION NETWORKING COMPUTING UK LIMITED, GB
[85] 2017-11-21
[86] 2015-06-01 (PCT/GB2015/051598)
[87] (WO2016/193648)

---

[21] **2,987,183**
[13] A1
[51] **Int.Cl. B41F 19/00 (2006.01) B05C 1/00 (2006.01) B05D 1/00 (2006.01) B41M 5/00 (2006.01)**
[25] EN
[54] **COATING APPARATUS**
[54] **APPAREIL D'APPLICATION DE REVETEMENT**
[72] LANDA, BENZION, IL
[72] KRASSILNIKOV, ANTON, IL
[72] FAHIMA, MOSHE, IL
[72] ADLER, ARIEL, IL
[71] ACTEGA METAL PRINT GMBH, DE
[85] 2017-11-24
[86] 2016-05-27 (PCT/IB2016/053146)
[87] (WO2016/189516)
[30] GB (1509080.6) 2015-05-27
[30] GB (1514618.6) 2015-08-17

---

[21] **2,987,195**
[13] A1
[51] **Int.Cl. B41M 3/00 (2006.01) B44F 9/10 (2006.01) B44C 1/00 (2006.01)**
[25] EN
[54] **METAL PRINTED CONSTRUCTIONS**
[54] **CONSTRUCTIONS IMPRIMEES SUR DU METAL**
[72] LANDA, BENZION, IL
[72] ABRAMOVICH, SAGI, IL
[72] KRASSILNIKOV, ANTON, IL
[72] ASHER, TAMAR, IL
[71] ACTEGA METAL PRINT GMBH, DE
[85] 2017-11-24
[86] 2016-05-27 (PCT/IB2016/053154)
[87] (WO2016/189519)
[30] GB (1509080.6) 2015-05-27
[30] GB (1514618.6) 2015-08-17
[30] GB (1514619.4) 2015-08-17
[30] GB (1603997.6) 2016-03-08
[30] GB (1604989.2) 2016-03-23

---

[21] **2,987,198**
[13] A1
[51] **Int.Cl. B41F 19/00 (2006.01) B05D 1/00 (2006.01) B41M 5/00 (2006.01)**
[25] EN
[54] **PRINTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'IMPRESSION**
[72] LANDA, BENZION, IL
[72] KRASSILNIKOV, ANTON, US
[72] FAHIMA, MOSHE, IL
[72] YAKHEL, VADIM, IL
[72] EDGAR, BARAK, IL
[71] ACTEGA METAL PRINT GMBH, DE
[85] 2017-11-24
[86] 2016-05-27 (PCT/IB2016/053145)
[87] (WO2016/189515)
[30] GB (1509080.6) 2015-05-27
[30] GB (1514618.6) 2015-08-17
[30] GB (1514619.4) 2015-08-17
[30] GB (1603997.6) 2016-03-08

[21] **2,987,522**
[13] A1
[51] **Int.Cl. G05D 16/20 (2006.01) B01F 3/04 (2006.01) B01F 15/00 (2006.01) G05D 21/02 (2006.01)**
[25] FR
[54] **DEVICE FOR ADJUSTING THE CONCENTRATION OF A GAS IN A LIQUID**
[54] **DISPOSITIF DE REGULATION DE LA CONCENTRATION D'UN GAZ DANS UN LIQUIDE**
[72] RIGAIL, FRANCOIS, FR
[72] POURTAUD, NICOLAS, FR
[71] RIGAIL, FRANCOIS, FR
[71] POURTAUD, NICOLAS, FR
[85] 2017-11-28
[86] 2016-05-27 (PCT/FR2016/051259)
[87] (WO2016/193586)
[30] FR (1554843) 2015-05-29

---

[21] **2,987,825**
[13] A1
[51] **Int.Cl. H01R 4/24 (2018.01) H01R 4/36 (2006.01) H01R 4/64 (2006.01) H01R 4/48 (2006.01)**
[25] FR
[54] **METAL CLIP FOR ELECTRICALLY CONNECTING A CONDUCTIVE WIRE TO A METAL ELEMENT**
[54] **CLIP METALLIQUE DE CONNEXION ELECTRIQUE D'UN FIL CONDUCTEUR A UN ELEMENT METALLIQUE**
[72] BERNARD, NICOLAS, FR
[72] PHILIPP, NORMAN, DE
[71] A. RAYMOND ET CIE, FR
[85] 2017-11-30
[86] 2016-06-01 (PCT/FR2016/051303)
[87] (WO2016/193615)
[30] FR (1554952) 2015-06-01

---

[21] **2,988,214**
[13] A1
[51] **Int.Cl. G01B 5/02 (2006.01)**
[25] EN
[54] **LENGTH MEASURING DEVICE AND CONTROL METHOD THEREOF**
[54] **APPAREIL DE MESURE DE LONGUEUR ET METHODE DE CONTROLE DUDIT APPAREIL**
[72] PARK, SOO-HONG, KR
[72] HAM, SUNG SEEK, KR
[72] SON, MIN KI, KR
[71] BAGEL LABS CO., LTD., KR
[85] 2017-12-06
[86] 2017-08-17 (PCT/KR2017/008962)
[87] (2988214)
[30] KR (10-2016-0118333) 2016-09-13
[30] KR (10-2017-0103239) 2017-08-14

---

[21] **2,988,373**
[13] A1
[51] **Int.Cl. C07D 249/18 (2006.01) A61K 31/4192 (2006.01) A61P 11/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **NRF2 REGULATORS**
[54] **REGULATEURS DE NRF2**
[72] KERNS, JEFFREY K., US
[72] LI, TINDY, US
[72] YAN, HONGXING, US
[72] HEIGHTMAN, THOMAS DANIEL, GB
[72] WOOLFORD, ALISON JO-ANNE, GB
[72] GRIFFITHS-JONES, CHARLOTTE MARY, GB
[72] WILLEMS, HENDRIKA MARIA GERARDA, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[71] ASTEX THERAPEUTICS LIMITED, GB
[85] 2017-12-05
[86] 2016-06-15 (PCT/IB2016/053544)
[87] (WO2016/203400)
[30] US (62/175,501) 2015-06-15

---

[21] **2,988,374**
[13] A1
[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/4192 (2006.01) A61K 31/553 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 267/14 (2006.01) C07D 413/06 (2006.01) C07D 413/10 (2006.01) C07D 498/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **NRF2 REGULATORS**
[54] **REGULATEURS DE NRF2**
[72] KERNS, JEFFREY K., US
[72] YAN, HONGXING, US
[72] CALLAHAN, JAMES FRANCIS, US
[72] HEIGHTMAN, THOMAS DANIEL, GB
[72] BOEHM, JEFFREY CHARLES, US
[72] WOOLFORD, ALISON JO-ANNE, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[71] ASTEX THERAPEUTICS LIMITED, GB
[85] 2017-12-05
[86] 2016-06-15 (PCT/IB2016/053545)
[87] (WO2016/203401)
[30] US (62/175,505) 2015-06-15

---

[21] **2,988,377**
[13] A1
[51] **Int.Cl. A61F 2/14 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **KERATOPROSTHESIS AND USES THEREOF**
[54] **KERATOPROTHESE ET UTILISATIONS DE CELLE-CI**
[72] LITVIN, GILAD, IL
[71] CORNEAT VISION LTD, IL
[85] 2017-12-05
[86] 2016-06-08 (PCT/IL2016/050597)
[87] (WO2016/199139)
[30] US (62/172,588) 2015-06-08

[21] **2,988,392**
[13] A1
[51] **Int.Cl. C07D 307/68 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A PURIFIED ACID COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION D'ACIDE PURIFIEE**
[72] ALMEIDA, ANA RITA MARTINS GUERREIRO ROCHA, NL
[72] ZIEVERINK, MARTINUS MATHILDA PIETER, NL
[72] DE SOUSA DIAS, ANA SOFIA VAGUEIRO, NL
[72] GONZALEZ JIMENEZ, INES DACIL, NL
[71] SYNVINA C.V., NL
[85] 2017-12-05
[86] 2016-06-06 (PCT/NL2016/050405)
[87] (WO2016/195500)
[30] NL (2014923) 2015-06-05

---

[21] **2,988,496**
[13] A1
[51] **Int.Cl. F24T 10/30 (2018.01) F24D 11/00 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **BOREHOLE SEASONAL HEAT STORAGE SYSTEM CAPABLE OF SELECTING STORING SPACE IN ACCORDANCE WITH SUPPLY TEMPERATURE OF HEAT SOURCE**
[54] **SYSTEME DE STOCKAGE DE CHALEUR SAISONNIER EN TROU DE FORAGE CAPABLE DE DETERMINER L'ESPACE DE STOCKAGE EN FONCTION DE LA TEMPERATURE DE LA SOURCE DE CHALEUR**
[72] AHN, IK-RO, KR
[71] KOREA DISTRICT HEATING ENGINEERING CO., LTD., KR
[85] 2018-01-03
[86] 2017-06-14 (PCT/KR2017/006169)
[87] (2988496)
[30] KR (10-2016-0074352) 2016-06-15

---

[21] **2,988,499**
[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **ANTI-DENGUE VACCINES AND ANTIBODIES**
[54] **VACCINS ET ANTICORPS ANTI-DENGUE**
[72] SCREATON, GAVIN, GB
[72] MONGKOLSAPAYA, JUTHATHIP, GB
[72] ROUVINSKI, ALEXANDER, FR
[72] GUARDADO-CALVO, PABLO, FR
[72] BARBA-SPAETH, GIOVANNA, FR
[72] DUQUERROY, STEPHANE, FR
[72] VANEY, MARIE-CHRISTINE, FR
[72] REY, FELIX AUGUSTO, FR
[71] IMPERIAL INNOVATIONS LIMITED, GB
[71] INSTITUT PASTEUR, FR
[71] UNIVERSITE PARIS-SUD, FR
[85] 2017-12-06
[86] 2015-07-23 (PCT/GB2015/052139)
[87] (WO2016/012800)
[30] GB (1413086.8) 2014-07-23

---

[21] **2,988,572**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/536 (2006.01) A61K 31/541 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07D 265/22 (2006.01) C07D 413/04 (2006.01) C07D 413/06 (2006.01) C07D 413/10 (2006.01) C07D 417/06 (2006.01) C07D 471/04 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **2,3-DIHYDRO-4H-1,3-BENZOXAZIN-4-ONE DERIVATIVES AS MODULATORS OF CHOLINERGIC MUSCARINIC M1 RECEPTOR**
[54] **DERIVES DE 2,3-DIHYDRO-4 H-1,3-BENZOXAZIN-4-ONE COMME MODULATEURS DU RECEPTEUR M1 MUSCARINIQUE CHOLINERGIQUE**
[72] SUGIMOTO, TAKAHIRO, JP
[72] SUZUKI, SHINKICHI, JP
[72] SAKAMOTO, HIROKI, JP
[72] YAMADA, MASAMI, JP
[72] NAKAMURA, MINORU, JP
[72] KAMATA, MAKOTO, JP
[72] SHIMOKAWA, KENICHIRO, JP
[72] OGINO, MASAKI, JP
[72] KIMURA, EIJI, JP
[72] MURAKAMI, MASATAKA, JP
[72] YONEMORI, JINICHI, JP
[72] KOJIMA, TAKUTO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-12-06
[86] 2016-06-23 (PCT/JP2016/069189)
[87] (WO2016/208775)
[30] JP (2015-129043) 2015-06-26
[30] JP (2015-206797) 2015-10-20

[21] **2,988,574**
[13] A1
[51] **Int.Cl. C02F 1/72 (2006.01) B01F 3/04 (2006.01) C02F 1/76 (2006.01) C02F 1/78 (2006.01)**
[25] EN
[54] **NANO-BUBBLE-AND-HYDROXYL-RADICAL GENERATOR AND SYSTEM FOR PROCESSING POLLUTED WATER WITHOUT CHEMICALS USING SAME**
[54] **GENERATEUR DE NANOBULLES ET DE RADICAUX HYDROXYLE ET SYSTEME DE TRAITEMENT DE L'EAU POLLUEE SANS UTILISER DE PRODUITS CHIMIQUES UTILISANT CE GENERATEUR**
[72] KIM, DONG SIK, KR
[71] NABAS GROUP, INC., US
[85] 2017-12-06
[86] 2015-05-12 (PCT/KR2015/004764)
[87] (WO2016/163583)
[30] KR (10-2015-0048615) 2015-04-06

[21] **2,988,625**
[13] A1
[51] **Int.Cl. A61K 31/165 (2006.01) A61K 31/197 (2006.01) A61K 31/216 (2006.01) A61K 31/4402 (2006.01) A61K 31/4406 (2006.01) A61K 31/495 (2006.01) A61K 31/50 (2006.01) A61P 21/00 (2006.01) A61P 21/06 (2006.01)**
[25] EN
[54] **DERIVATIVES USEFUL IN THE TREATMENT OF MUSCLE ATROPHY**
[54] **DERIVES UTILES DANS LE TRAITEMENT DE L'ATROPHIE MUSCULAIRE**
[72] RAYNAL, SOPHIE N., FR
[72] KERGOAT, MICHELINE R., FR
[72] AUTIER, VALERIE, FR
[72] CHARON, CHRISTINE G., FR
[72] DURAND, JEAN-DENIS, FR
[72] LEPIFRE, FRANCK F., FR
[72] AUDET, ANNICK M., FR
[71] METABRAIN RESEARCH, FR
[85] 2017-12-07
[86] 2016-04-14 (PCT/FR2016/050864)
[87] (WO2016/166480)
[30] FR (1553410) 2015-04-16

[21] **2,988,636**
[13] A1
[51] **Int.Cl. A23P 20/20 (2016.01) A23K 10/20 (2016.01) A23K 40/00 (2016.01) A23L 13/00 (2016.01) A23L 13/40 (2016.01) A23L 13/50 (2016.01)**
[25] EN
[54] **METHOD FOR PRODUCING A RECONSTITUTED RAW PIECE OF MEAT AND A RECONSTITUTED RAW PIECE OF MEAT/MEAT COMBINED ACCORDING TO THE METHOD**
[54] **PROCEDE DE FABRICATION D'UNE EBAUCHE EN VIANDE RECONSTITUEE ET EBAUCHE EN VIANDE RECONSTITUEE ET VIANDE COMBINEE CONFORMEMENT AU PROCEDE**
[72] HAUF, REINER, DE
[71] HAUF, REINER, DE
[85] 2017-12-07
[86] 2016-05-11 (PCT/DE2016/100215)
[87] (WO2016/180405)
[30] DE (10 2015 107 344.7) 2015-05-11

[21] **2,988,646**
[13] A1
[51] **Int.Cl. A23G 3/38 (2006.01) A23L 27/30 (2016.01) A23L 29/206 (2016.01) A23L 29/30 (2016.01) A23L 33/22 (2016.01)**
[25] EN
[54] **SWEETENER AND USE THEREOF**
[54] **EDULCORANT ET SON UTILISATION**
[72] REISENBERGER, FRANZ, AT
[72] REISENBERGER, KLAUS, AT
[71] REISENBERGER GMBH, AT
[85] 2017-12-07
[86] 2016-03-18 (PCT/AT2016/000028)
[87] (WO2016/197157)
[30] AT (GM 144/2015) 2015-06-11

[21] **2,988,657**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 35/745 (2015.01) A61P 1/00 (2006.01) A61P 11/06 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] GRANT, GEORGE, GB
[72] PATTERSON, ANGELA MARGARET, GB
[72] MULDER, IMKE, GB
[72] MCCLUSKEY, SEANIN, GB
[72] RAFTIS, EMMA, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2017-12-07
[86] 2016-06-15 (PCT/GB2016/051768)
[87] (WO2016/203217)
[30] GB (1510470.6) 2015-06-15
[30] GB (1520510.7) 2015-11-20
[30] GB (1603786.3) 2016-03-04

[21] **2,988,673**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **EPIGENETIC CHROMOSOME INTERACTIONS**
[54] **INTERACTIONS CHROMOSOMIQUES EPIGENETIQUES**
[72] RAMADASS, AROUL, GB
[72] HUNTER, EWAN, GB
[72] AKOULITCHEV, ALEXANDRE, GB
[71] OXFORD BIODYNAMICS LIMITED, GB
[85] 2017-12-07
[86] 2016-06-24 (PCT/GB2016/051894)
[87] (WO2016/207647)
[30] GB (1511079.4) 2015-06-24
[30] GB (1511080.2) 2015-06-24
[30] GB (1519555.5) 2015-11-05

[21] **2,988,674**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **DETECTION OF CHROMOSOME INTERACTIONS**
[54] **DETECTION D'INTERACTIONS CHROMOSOMIQUES**
[72] HUNTER, EWAN, GB
[72] RAMADASS, AROUL, GB
[72] AKOULITCHEV, ALEXANDRE, GB
[71] OXFORD BIODYNAMICS LIMITED, GB
[85] 2017-12-07
[86] 2016-06-24 (PCT/GB2016/051900)
[87] (WO2016/207653)
[30] GB (1511079.4) 2015-06-24
[30] GB (1511080.2) 2015-06-24
[30] GB (1519555.5) 2015-11-05

---

[21] **2,988,680**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/416 (2006.01) A61P 13/00 (2006.01) A61P 31/04 (2006.01) C07D 405/06 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **MANNOSE DERIVATIVES FOR TREATING BACTERIAL INFECTIONS**
[54] **DERIVES DE MANNOSE POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] GALLANT, MICHEL, CA
[72] TRUCHON, JEAN-FRANCOIS, CA
[72] REDDY, THUMKUNTA JAGADEESWAR, CA
[72] DIETRICH, EVELYNE, CA
[72] VAILLANCOURT, LOUIS, CA
[72] VALLEE, FREDERIC, CA
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2017-12-07
[86] 2016-06-13 (PCT/IB2016/053469)
[87] (WO2016/199105)
[30] US (62/174,662) 2015-06-12

---

[21] **2,988,686**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 1/00 (2006.01) A61P 11/06 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] GRANT, GEORGE, GB
[72] PATTERSON, ANGELA MARGARET, GB
[72] MULDER, IMKE, GB
[72] MCCLUSKEY, SEANIN, GB
[72] RAFTIS, EMMA, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2017-12-07
[86] 2016-06-15 (PCT/GB2016/051773)
[87] (WO2016/203220)
[30] GB (1510469.8) 2015-06-15
[30] GB (1520628.7) 2015-11-23
[30] GB (1604566.8) 2016-03-17

---

[21] **2,988,693**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 1/00 (2006.01) A61P 11/06 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] STEVENSON, ALEX, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2017-12-07
[86] 2016-06-15 (PCT/GB2016/051774)
[87] (WO2016/203221)
[30] GB (1510468.0) 2015-06-15
[30] GB (1606807.4) 2016-04-19

---

[21] **2,988,695**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 35/745 (2015.01) A61P 1/00 (2006.01) A61P 11/06 (2006.01) A61P 19/02 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] GRANT, GEORGE, GB
[72] PATTERSON, ANGELA MARGARET, GB
[72] MULDER, IMKE, GB
[72] MCCLUSKEY, SEANIN, GB
[72] RAFTIS, EMMA, GB
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2017-12-07
[86] 2016-06-15 (PCT/GB2016/051776)
[87] (WO2016/203223)
[30] GB (1510467.2) 2015-06-15
[30] GB (1520501.6) 2015-11-20

---

[21] **2,988,715**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **AN ANTIBODY OR A FRAGMENT SPECIFICALLY BINDING TO PEPTIDE DERIVED FROM VIMENTIN**
[54] **UN ANTICORPS OU UN FRAGMENT SE LIANT SPECIFIQUEMENT A UN PEPTIDE DERIVE DE VIMENTIN**
[72] KIM, YOON WON, KR
[72] KIM, YOUNG JIN, KR
[72] HONG, HYO JEONG, KR
[72] PARK, SANG JIN, KR
[72] KIM, MIN WOO, KR
[72] PARK, SUNG MAN, KR
[71] IMMUNEMED INC., KR
[85] 2017-12-07
[86] 2016-06-10 (PCT/KR2016/006215)
[87] (WO2016/200220)
[30] KR (10-2015-0082132) 2015-06-10
[30] KR (PCT/KR2015/005917) 2015-06-12

[21] **2,988,781**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] FR
[54] **LYMPHOID HEMOPATHY PROGNOSIS METHOD**
[54] **METHODE DE PRONOSTIC D'HEMOPATHIES LYMPHOIDES**
[72] CARTRON, GUILLAUME, FR
[72] TUAILLON, EDOUARD, FR
[72] GAGEZ, ANNE-LAURE, FR
[72] CEZAR, RENAUD, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE MONTPELLIER, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[85] 2017-12-08
[86] 2016-06-09 (PCT/FR2016/051388)
[87] (WO2016/198795)
[30] FR (1555253) 2015-06-09

---

[21] **2,989,047**
[13] A1
[51] **Int.Cl. C12C 3/04 (2006.01) C12C 3/12 (2006.01)**
[25] EN
[54] **METHOD FOR TREATMENT OF A HOPS PRODUCT, AND USE OF A HOPS PRODUCT**
[54] **PROCEDE DE TRAITEMENT D'UN PRODUIT A BASE DE HOUBLON ET UTILISATION D'UN PRODUIT A BASE DE HOUBLON**
[72] SCHMAILZL, MARTIN, DE
[71] SCHMAILZL, MARTIN, DE
[85] 2017-12-11
[86] 2015-06-03 (PCT/DE2015/000266)
[87] (WO2015/197040)
[30] DE (10 2014 009 010.8) 2014-06-24
[30] DE (10 2014 016 507.8) 2014-11-10
[30] US (62/077,600) 2014-11-10

---

[21] **2,989,094**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61B 34/00 (2016.01) A61B 90/00 (2016.01) A61B 3/10 (2006.01) A61B 3/13 (2006.01) A61B 34/20 (2016.01) G02B 21/00 (2006.01)**
[25] EN
[54] **DYNAMIC SURGICAL DATA OVERLAY**
[54] **RECOUVREMENT DE DONNEES CHIRURGICALES DYNAMIQUES**
[72] REN, HUGANG, US
[72] YU, LINGFENG, US
[71] NOVARTIS AG, CH
[85] 2017-12-11
[86] 2016-05-24 (PCT/IB2016/053039)
[87] (WO2017/021790)
[30] US (14/817,348) 2015-08-04

---

[21] **2,989,098**
[13] A1
[51] **Int.Cl. C07D 263/54 (2006.01) A61K 31/423 (2006.01) A61K 31/428 (2006.01) C07D 263/58 (2006.01) C07D 277/62 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **NADPH OXIDASE 4 INHIBITORS**
[54] **INHIBITEURS DE LA NADPH OXYDASE 4**
[72] AISSAOUI, HAMED, CH
[72] BOLLI, MARTIN, CH
[72] BOSS, CHRISTOPH, CH
[72] RICHARD-BILDSTEIN, SYLVIA, CH
[72] SIEBER, PATRICK, CH
[71] ACTELION PHARMACEUTICALS LTD, CH
[85] 2017-12-11
[86] 2016-06-21 (PCT/IB2016/053672)
[87] (WO2016/207785)
[30] IB (PCT/IB2015/054662) 2015-06-22

---

[21] **2,989,119**
[13] A1
[51] **Int.Cl. G01N 21/3504 (2014.01)**
[25] EN
[54] **GAS MONITOR**
[54] **DISPOSITIF DE SURVEILLANCE DE GAZ**
[72] BJOROY, OVE, NO
[71] NEO MONITORS AS, NO
[85] 2017-12-11
[86] 2016-06-10 (PCT/NO2016/050121)
[87] (WO2016/200274)
[30] NO (20150765) 2015-06-11

---

[21] **2,989,154**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01) B64F 5/60 (2017.01) B25J 19/02 (2006.01) B64C 39/02 (2006.01) G01N 21/88 (2006.01) G01N 37/00 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR AUTOMATICALLY INSPECTING SURFACES**
[54] **SYSTEME ET PROCEDE D'INSPECTION AUTOMATIQUE DE SURFACE**
[72] CLAYBROUGH, MATTHIEU, FR
[71] DONECLE, FR
[85] 2017-12-12
[86] 2016-06-15 (PCT/FR2016/051448)
[87] (WO2016/203151)
[30] FR (1555452) 2015-06-15

---

[21] **2,989,187**
[13] A1
[51] **Int.Cl. A61K 39/39 (2006.01) C01B 25/36 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARATION OF ALUMINIUM PHOSPHATE GEL FOR APPLICATION IN VACCINE FORMULATIONS**
[54] **PROCEDE DE PREPARATION D'UN GEL DE PHOSPHATE D'ALUMINIUM POUR UNE APPLICATION DANS DES FORMULATIONS VACCINALES**
[72] GANAPATHY, RAVI, IN
[72] GADE, NAGIREDDY, IN
[72] MANOHAR, MANISH, IN
[72] PARADKAR, VIKRAM MADHUSADAN, IN
[72] DALTA, MAHIMA, IN
[71] BIOLOGICAL E LIMITED, IN
[85] 2017-12-11
[86] 2016-06-13 (PCT/IN2016/000151)
[87] (WO2016/199162)
[30] IN (2963/CHE/2015) 2015-06-12

---

[21] **2,989,191**
[13] A1
[51] **Int.Cl. G01N 27/12 (2006.01) B82Y 15/00 (2011.01) F01N 11/00 (2006.01)**
[25] EN
[54] **NOX GAS SENSOR**
[54] **CAPTEUR DE GAZ NOX**
[72] KALANTAR-ZADEH, KOUROSH, AU
[72] OU, JIAN ZHEN, AU
[72] HA, NAM, AU
[72] LI, YONGXIANG, AU
[71] ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY, AU
[85] 2017-12-12
[86] 2016-06-10 (PCT/AU2016/000199)
[87] (WO2016/197181)
[30] AU (2015902219) 2015-06-12

---

[21] **2,989,254**
[13] A1
[51] **Int.Cl. A23B 4/20 (2006.01) C11B 1/10 (2006.01) C11B 13/00 (2006.01)**
[25] EN
[54] **STURGEON ROE SACK MEMBRANE-DERIVED OIL**
[54] **CONSERVATION EN SACS D'OEUFS D'ESTURGEON POUR LA PRODUCTION DE CAVIAR**
[72] BENNING, KENNETH, GB
[72] BENNING, JEMIMA, GB
[71] ACIPENSER BIOTECH LIMITED, GB
[85] 2017-12-12
[86] 2016-03-16 (PCT/GB2016/050704)
[87] (WO2016/203187)
[30] GB (1510540.6) 2015-06-16

---

[21] **2,989,265**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 405/14 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROCYCLE DERIVATIVES AS BROMODOMAIN INHIBITORS**
[54] **DERIVES D'HETEROCYCLES BICYCLIQUES COMME INHIBITEURS DE BROMODOMAINES**
[72] SAMAJDAR, SUSANTA, IN
[72] ABBINENI, CHANDRASEKHAR, IN
[72] LINNANEN, TERO, FI
[72] WOHLFAHRT, GERD, FI
[71] ORION CORPORATION, FI
[85] 2017-12-12
[86] 2016-06-30 (PCT/FI2016/050486)
[87] (WO2017/001733)
[30] IN (722/KOL/2015) 2015-07-02

---

[21] **2,989,271**
[13] A1
[51] **Int.Cl. C07C 311/58 (2006.01) A61K 31/277 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **THROMBOXANE RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES DES RECEPTEURS DU THROMBOXANE**
[72] KINSELLA, B. THERESE, IE
[72] REID, HELEN, IE
[71] UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN, IE
[85] 2017-12-12
[86] 2016-06-13 (PCT/IB2016/000960)
[87] (WO2016/203314)
[30] US (62/180,317) 2015-06-16

---

[21] **2,989,278**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61B 90/30 (2016.01) A61B 18/00 (2006.01)**
[25] EN
[54] **VITREOUS CUTTER WITH INTEGRATED ILLUMINATION SYSTEM**
[54] **DISPOSITIF DE COUPE VITREUX A SYSTEME D'ECLAIRAGE INTEGRE**
[72] KERN, THOMAS, CH
[72] PAPAC, MICHAEL J., US
[72] SMITH, RONALD T., US
[72] WHEATLEY, BARRY L., US
[72] MIRSEPASSI, ALIREZA, US
[71] NOVARTIS AG, CH
[85] 2017-12-12
[86] 2016-07-06 (PCT/IB2016/054058)
[87] (WO2017/009745)
[30] US (62/191,765) 2015-07-13

---

[21] **2,989,287**
[13] A1
[51] **Int.Cl. G02B 7/182 (2006.01) G03B 3/10 (2006.01) G06K 7/00 (2006.01)**
[25] EN
[54] **CAMERA AND OBJECT PROCESSING APPARATUS USING SAME**
[54] **APPAREIL DE PRISE DE VUES ET APPAREIL DE TRAITEMENT D'OBJETS METTANT EN □UVRE CELUI-CI**
[72] KIM, HOYON, KR
[71] GACHISOFT INC., KR
[85] 2017-12-12
[86] 2016-04-12 (PCT/KR2016/003832)
[87] (WO2016/200039)
[30] KR (10-2015-0083638) 2015-06-12

[21] **2,989,289**
[13] A1
[51] **Int.Cl. A61K 8/29 (2006.01) A61K 8/02 (2006.01) A61K 8/04 (2006.01) A61K 8/27 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **UV-BLOCKING COSMETIC COMPOSITION**
[54] **COMPOSITION COSMETIQUE BLOQUANT LES UV**
[72] JUNG, HA JIN, KR
[72] KIM, KYUNG NAM, KR
[72] CHOI, KYUNG HO, KR
[72] CHOI, YEONG JIN, KR
[71] AMOREPACIFIC CORPORATION, KR
[85] 2017-12-12
[86] 2016-06-24 (PCT/KR2016/006739)
[87] (WO2017/003135)
[30] KR (10-2015-0093779) 2015-06-30

---

[21] **2,989,388**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **GENE SIGNATURES PREDICTIVE OF METASTATIC DISEASE**
[54] **SIGNATURES GENIQUES PREDICTIVES D'UNE MALADIE METASTATIQUE**
[72] WALKER, STEVEN, GB
[72] HILL, LAURA, GB
[72] MCCAVIGAN, ANDRENA, GB
[72] DONEGAN, SINEAD, GB
[72] DAVISON, TIMOTHY, GB
[72] KENNEDY, RICHARD, GB
[72] HARKIN, DENIS PAUL, GB
[72] PRICE, BETHANIE, GB
[71] ALMAC DIAGNOSTICS LIMITED, GB
[85] 2017-12-13
[86] 2016-06-17 (PCT/GB2016/051825)
[87] (WO2016/203262)
[30] GB (1510684.2) 2015-06-17

---

[21] **2,989,390**
[13] A1
[51] **Int.Cl. A23L 3/3454 (2006.01) A23L 13/40 (2016.01) A23B 4/027 (2006.01)**
[25] EN
[54] **MEAT TREATMENT COMPOSITION AND USE THEREOF**
[54] **COMPOSITION DE TRAITEMENT DE VIANDE ET SON UTILISATION**
[72] HILHORST, GERRIT ANTHON RENE, NL
[72] KROON, HARMEN, NL
[72] VERHEEZEN, JACOBUS JOHANNES ADRIANA MARIA, NL
[71] PURAC BIOCHEM B.V., NL
[85] 2017-12-13
[86] 2016-06-17 (PCT/NL2016/050435)
[87] (WO2016/204618)
[30] EP (15172520.7) 2015-06-17
[30] US (62/180,790) 2015-06-17

---

[21] **2,989,456**
[13] A1
[51] **Int.Cl. C07D 487/14 (2006.01) A61K 31/4985 (2006.01) A61K 31/506 (2006.01) A61P 25/28 (2006.01) C07D 471/14 (2006.01) C07D 471/22 (2006.01) C07D 487/04 (2006.01) C07D 491/147 (2006.01) C07D 498/22 (2006.01) C07D 513/14 (2006.01)**
[25] EN
[54] **TRICYCLIC COMPOUNDS AND THEIR USE AS PHOSPHODIESTERASE INHIBITORS**
[54] **COMPOSES TRICYCLIQUES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE LA PHOSPHODIESTERASE**
[72] CHAPPIE, THOMAS ALLEN, US
[72] CHANDRASEKARAN, RAMALAKSHMI YEGNA, US
[72] HELAL, CHRISTOPHER JOHN, US
[72] LACHAPELLE, ERIK ALPHIE, US
[72] PATEL, NANDINI CHATURBHAI, US
[72] SCIABOLA, SIMONE, US
[72] VERHOEST, PATRICK ROBERT, US
[72] WAGER, TRAVIS T., US
[71] PFIZER INC., US
[85] 2017-12-13
[86] 2016-06-09 (PCT/IB2016/053398)
[87] (WO2016/203347)
[30] US (62/180,815) 2015-06-17

---

[21] **2,989,515**
[13] A1
[51] **Int.Cl. G01N 21/87 (2006.01) G01J 3/46 (2006.01)**
[25] EN
[54] **COLOUR MEASUREMENT OF GEMSTONES**
[54] **MESURE DE COULEUR DE PIERRES PRECIEUSES**
[72] FITCH, ALISTAIR, GB
[71] DE BEERS UK LIMITED, GB
[85] 2017-12-14
[86] 2016-06-13 (PCT/GB2016/051748)
[87] (WO2016/203210)
[30] GB (1510652.9) 2015-06-17

---

[21] **2,989,522**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/00 (2006.01) A61K 31/445 (2006.01) A61P 27/02 (2006.01) A61P 27/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING AN INTEGRIN ALPHA4 ANTAGONIST FOR USE IN TREATING OCULAR INFLAMMATORY CONDITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES CONTENANT UN ANTAGONISTE DE L'INTEGRINE ALPHA 4, UTILISEES POUR LE TRAITEMENT D''AFFECTIONS INFLAMMATOIRES OCULAIRES**
[72] KRAUSS, ACHIM HANS-PETER, US
[71] AXEROVISION, INC., US
[85] 2017-12-14
[86] 2016-07-07 (PCT/IB2016/054073)
[87] (WO2017/006272)
[30] US (62/189,813) 2015-07-08

[21] **2,989,523**
[13] A1
[51] **Int.Cl. G01N 27/62 (2006.01) H01J 49/00 (2006.01)**
[25] EN
[54] **PROBABILITY-BASED LIBRARY SEARCH ALGORITHM (PROLS)**
[54] **ALGORITHME DE RECHERCHE DE BIBLIOTHEQUE A BASE DE PROBABILITE (PROLS)**
[72] BURTON, LYLE LORRENCE, CA
[72] IVOSEV, GORDANA, CA
[71] DH TECHNOLOGIES DEVELOPMENT PTE. LTD., SG
[85] 2017-12-14
[86] 2016-05-26 (PCT/IB2016/053100)
[87] (WO2016/203328)
[30] US (62/181,624) 2015-06-18

---

[21] **2,989,538**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) B01L 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR ANALYZING BIOMOLECULE BY USING EXTERNAL BIOMOLECULE AS STANDARD MATERIAL, AND KIT THEREFOR**
[54] **PROCEDE D'ANALYSE DE BIOMOLECULE A L'AIDE DE BIOMOLECULE EXTERNE COMME MATERIAU ETALON, ET KIT A CET EFFET**
[72] KIM, SUNG CHUN, KR
[71] KIM, SUNG CHUN, KR
[85] 2017-12-14
[86] 2016-04-20 (PCT/KR2016/004130)
[87] (WO2016/171474)
[30] KR (10-2015-0055227) 2015-04-20

---

[21] **2,989,540**
[13] A1
[51] **Int.Cl. A23P 20/10 (2016.01) A23L 19/18 (2016.01) A23L 29/212 (2016.01) A23L 29/219 (2016.01)**
[25] EN
[54] **METHOD FOR PREPARING A POTATO PRODUCT FOR FINISH-FRYING, PROCESSING LINE THEREFOR AND SUCH A POTATO PRODUCT FOR FINISH-FRYING**
[54] **PROCEDE DE PREPARATION DE PRODUIT DE POMME DE TERRE POUR FRITURE FINALE, CHAINE DE TRAITEMENT POUR CE DERNIER, ET PRODUIT DE POMME DE TERRE POUR FRITURE FINALE**
[72] DE WINTER, LEON, NL
[72] EIJSMAN, LEON, NL
[72] VAN DOORN, JOHANNES ELISABERT, NL
[71] FRIES4ALL B.V., NL
[85] 2017-12-14
[86] 2016-03-23 (PCT/NL2016/050201)
[87] (WO2016/153349)
[30] NL (2014505) 2015-03-23
[30] NL (2016397) 2016-03-08

---

[21] **2,989,551**
[13] A1
[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **AML ANTIGENS AND USES THEREOF**
[54] **ANTIGENES DE LAM ET LEURS UTILISATIONS**
[72] SPITS, HERGEN, NL
[72] GILLISSEN, MARIJN ALETTA, NL
[72] KEDDE, MARTIJN, NL
[72] HAZENBERG, METTE DEBORAH, NL
[72] VAN HELDEN, PAULA MARIA WILHELMINA, NL
[72] POS, WOUTER, NL
[71] AIMM THERAPEUTICS B.V., NL
[85] 2017-12-14
[86] 2016-06-24 (PCT/NL2016/050449)
[87] (WO2016/209079)
[30] EP (15173662.6) 2015-06-24
[30] EP (16150621.7) 2016-01-08

---

[21] **2,989,673**
[13] A1
[51] **Int.Cl. G01N 3/04 (2006.01) G01N 3/24 (2006.01)**
[25] EN
[54] **DEVICE FOR MEASURING SHEAR PROPERTIES OF ASPHALT MIXTURES**
[54] **DISPOSITIF PERMETTANT DE MESURER DES PROPRIETES DE CISAILLEMENT DE MELANGES D'ASPHALTE**
[72] ZAK, JOSEF, CZ
[72] HARVEY, JOHN, US
[72] SINGORE, JAMES, US
[71] CZECH TECHNICAL UNIVERSITY IN PRAGUE, FACULTY OF CIVIL ENGINEERING, DEPARTMENT OF ROAD STRUCTURES, CZ
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-12-15
[86] 2016-06-21 (PCT/CZ2016/050019)
[87] (WO2017/005229)
[30] CZ (2015-486) 2015-07-09

---

[21] **2,989,711**
[13] A1
[51] **Int.Cl. C05G 5/00 (2006.01) C05D 1/00 (2006.01) C05G 3/00 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01) C08J 3/24 (2006.01)**
[25] EN
[54] **ORGANIC-INORGANIC POLYMERIC WATER-RETAINING FERTILIZER AND PREPARATION METHOD OF THE SAME**
[54] **FERTILISANT POLYMERIQUE ORGANIQUE-INORGANIQUE RETENANT L'EAU ET METHODE DE PREPARATION ASSOCIEE**
[72] ZHU, YANFANG, CN
[72] DU, ZHIYONG, CN
[72] ZHU, HONGZHI, CN
[71] QINGDAO XINYAODI AGRICULTURAL TECHNOLOGY JOINT-STOCK CO., LTD., CN
[85] 2017-12-20
[86] 2017-06-30 (PCT/CN2017/091230)
[87] (2989711)
[30] CN (201610512162.2) 2016-07-01

[21] **2,989,743**
[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01) A23L 33/10 (2016.01) A23L 33/18 (2016.01)**
[25] EN
[54] **SYNERGISTIC BEVERAGE COMPOSITION**
[54] **COMPOSITION DE BOISSON SYNERGIQUE**
[72] CHIGURUPATI, HARSHA, IN
[72] BIYANI, MANISH RADHESHYAM, IN
[72] AUDDY, BISWAJIT, IN
[72] CHAKRABARTI, SHRABANA, IN
[71] CHIGURUPATI, HARSHA, IN
[85] 2017-12-15
[86] 2016-06-18 (PCT/IN2016/050189)
[87] (WO2016/203499)
[30] IN (3070/CHE/2015) 2015-06-19

---

[21] **2,989,775**
[13] A1
[51] **Int.Cl. G01N 21/85 (2006.01) G01N 21/03 (2006.01) G01N 21/15 (2006.01)**
[25] EN
[54] **OPTICAL ELEMENTS IN GAS SENSORS**
[54] **ELEMENTS OPTIQUES DANS DES CAPTEURS DE GAZ**
[72] BORGEN, LARS, NO
[72] FISMEN, BRITTA, NO
[72] HOBAEK, THOR CHRISTIAN, NO
[72] SAGBERG, HAKON, NO
[71] GASSECURE AS, NO
[85] 2017-12-15
[86] 2016-06-16 (PCT/GB2016/051786)
[87] (WO2016/203233)
[30] GB (1510563.8) 2015-06-16

---

[21] **2,989,779**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **USE OF CANNABINOIDS IN THE TREATMENT OF EPILEPSY**
[54] **UTILISATION DE CANNABINOIDES DANS LE TRAITEMENT DE L'EPILEPSIE**
[72] GUY, GEOFFREY, GB
[72] WRIGHT, STEPHEN, GB
[72] MEAD, ALICE, GB
[72] CHEETHAM, EMMA, GB
[72] DEVINSKY, ORRIN, US
[72] SCHILLER, DOMINIC, GB
[71] GW RESEARCH LIMITED, GB
[85] 2017-12-15
[86] 2016-06-16 (PCT/GB2016/051792)
[87] (WO2016/203239)
[30] GB (1510664.4) 2015-06-17

---

[21] **2,989,785**
[13] A1
[51] **Int.Cl. H04N 19/126 (2014.01) H04N 19/42 (2014.01) H04N 19/635 (2014.01)**
[25] EN
[54] **ADAPTIVE PRECISION AND QUANTIFICATION OF A WAVELET TRANSFORMED MATRIX**
[54] **PRECISION ADAPTATIVE ET QUANTIFICATION D'UNE MATRICE TRANSFORMEE PAR ONDELETTES**
[72] GERVAIS, THAN MARC-ERIC, FR
[72] LOUBET, BRUNO, FR
[72] BESSOU, NICOLAS, FR
[72] GUIMIOT, YVES, FR
[72] PETITFILS, MICKAEL, FR
[72] ROQUES, SEBASTIEN, FR
[71] COLIN, JEAN-CLAUDE, FR
[85] 2017-12-15
[86] 2015-07-09 (PCT/FR2015/000141)
[87] (WO2015/185810)

---

[21] **2,989,841**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **POWER ADAPTER, TERMINAL DEVICE, CHARGING SYSTEM, AND CHARGING METHOD**
[54] **ADAPTATEUR D'ALIMENTATION, APPAREIL TERMINAL, SYSTEME DE RECHARGE ET METHODE DE RECHARGE**
[72] GUO, JILONG, CN
[71] SHENZHEN ROYOLE TECHNOLOGIES CO., LTD., CN
[85] 2018-02-14
[86] 2016-08-19 (PCT/CN2016/096043)
[87] (2989841)

---

[21] **2,989,846**
[13] A1
[51] **Int.Cl. A47L 9/12 (2006.01) A47L 7/00 (2006.01)**
[25] EN
[54] **FILTER ASSEMBLY, FILTER DEVICE AND DUST COLLECTOR**
[54] **ASSEMBLAGE DE FILTRE, DISPOSITIF DE FILTRE ET COLLECTEUR DE POUSSIERE**
[72] SANG, SHUHUA, CN
[72] GAO, YUANGANG, CN
[71] SUZHOU ALTON ELECTRICAL & MECHANICAL INDUSTRY CO., LTD., CN
[85] 2017-12-22
[86] 2017-03-03 (PCT/CN2017/075543)
[87] (2989846)
[30] CN (201610981874.9) 2016-11-08

---

[21] **2,989,976**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C40B 40/06 (2006.01)**
[25] EN
[54] **REAGENTS, KITS AND METHODS FOR MOLECULAR BARCODING**
[54] **REACTIFS, KITS ET PROCEDES DE BARCODING MOLECULAIRE**
[72] EDELMAN, LUCAS BRANDON, GB
[71] CS GENETICS LIMITED, GB
[85] 2017-12-18
[86] 2016-06-23 (PCT/GB2016/051883)
[87] (WO2016/207639)
[30] GB (1511050.5) 2015-06-23

[21] **2,989,991**
[13] A1
[51] **Int.Cl. A01H 5/08 (2018.01) C12N 9/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **TOMATO PLANTS HAVING FRUIT WITH YELLOW AND RED SEGMENTS**
[54] **PLANTES DE TOMATE DONNANT DES FRUITS AYANT DES SEGMENTS JAUNE ET ROUGE**
[72] HIRSCHBERG, JOSEPH, IL
[72] ZAMIR, DANI, IL
[72] BROG, YAACOV MICHA, IL
[72] ZEMACH, ITAY, IL
[72] DERY, ORLY, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2017-12-18
[86] 2016-07-05 (PCT/IL2016/050719)
[87] (WO2017/006318)
[30] US (62/188,755) 2015-07-06

---

[21] **2,989,998**
[13] A1
[51] **Int.Cl. C10J 3/30 (2006.01) F23G 5/027 (2006.01)**
[25] EN
[54] **REDUCTION BURNER ENABLING SEPARATE OCCURRENCE OF OXIDATION REACTION AND REDUCTION REACTION AND SYNTHESIS GAS RECYCLING SYSTEM USING SAME**
[54] **BRULEUR DE REDUCTION PERMETTANT L'OCCURRENCE DISTINCTE D'UNE REACTION D'OXYDATION ET D'UNE REACTION DE REDUCTION ET SYSTEME DE RECYCLAGE DE GAZ DE SYNTHESE FAISANT APPEL A CELUI-CI**
[72] CHANG, YEON, KR
[71] KIM, SANGWON, KR
[71] CHANG, YEON, KR
[71] WR SYSTEM CO., LTD, KR
[85] 2017-12-18
[86] 2016-04-25 (PCT/KR2016/004277)
[87] (WO2016/204393)
[30] KR (10-2015-0085098) 2015-06-16

---

[21] **2,990,007**
[13] A1
[51] **Int.Cl. A23F 5/40 (2006.01) A23L 27/28 (2016.01) A23F 5/46 (2006.01) A23F 5/48 (2006.01)**
[25] EN
[54] **AROMA-RETAINING SOLUBLE COFFEE**
[54] **CAFE SOLUBLE CONSERVANT SON AROME**
[72] HEIJMAN, GERTJAN, NL
[72] DE KOK, PETRUS MARIA THERESIA, NL
[72] OOSTERVELD, ALEXANDER, NL
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2017-12-18
[86] 2016-06-23 (PCT/NL2016/050445)
[87] (WO2016/209075)
[30] EP (15173428.2) 2015-06-23

---

[21] **2,990,022**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) G01N 33/42 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING A MATERIAL PROPERTY OF A BITUMEN MATERIAL**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION D'UNE PROPRIETE D'UN MATERIAU BITUMINEUX**
[72] HOFKO, BERNHARD, AT
[72] HOSPODKA, MARKUS, AT
[72] FUSSL, JOSEF, GB
[72] EBERHARDSTEINER, LUKAS, AT
[72] GROTHE, HINRICH, AT
[72] HANDLE, FLORIAN, AT
[72] GROSSEGGER, DANIEL, AT
[72] BLAB, RONALD, AT
[71] TECHNISCHE UNIVERSITAT WIEN, AT
[85] 2017-12-19
[86] 2016-06-22 (PCT/AT2016/050219)
[87] (WO2016/205847)
[30] AT (A 50522/2015) 2015-06-22

---

[21] **2,990,107**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/74 (2015.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **A CHECKPOINT INHIBITOR AND A WHOLE CELL MYCOBACTERIUM FOR USE IN CANCER THERAPY**
[54] **INHIBITEUR DE POINT DE VERIFICATION ET MYCOBACTERIE A GERMES ENTIERS DESTINES A UNE UTILISATION DANS LE TRAITEMENT DE CANCER**
[72] BRUNET, LAURA ROSA, GB
[72] AKLE, CHARLES, GB
[71] IMMODULON THERAPEUTICS LIMITED, GB
[85] 2017-12-19
[86] 2016-06-24 (PCT/GB2016/051893)
[87] (WO2016/207646)
[30] GB (1511120.6) 2015-06-24
[30] GB (1511121.4) 2015-06-24

---

[21] **2,990,133**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 35/768 (2015.01) A61K 9/16 (2006.01) A61K 39/165 (2006.01) A61K 39/245 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR VIRAL EMBOLIZATION**
[54] **COMPOSITIONS ET PROCEDES D'EMBOLISATION VIRALE**
[72] HWANG, TAE HO, KR
[72] LEE, NAM HEE, KR
[72] CHO, MONG, KR
[72] JEON, UNGBAE, KR
[72] BYUN, DOO JIN, KR
[71] SILLAJEN, INC., KR
[85] 2017-12-19
[86] 2016-06-17 (PCT/IB2016/000993)
[87] (WO2017/037523)
[30] US (62/182,383) 2015-06-19

[21] **2,990,157**
[13] A1
[51] **Int.Cl. A61K 8/29 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITION**
[54] **COMPOSITION COSMETIQUE**
[72] LEE, SU JIN, KR
[72] KIM, KYUNG NAM, KR
[72] CHOI, YEONG JIN, KR
[71] AMOREPACIFIC CORPORATION, KR
[85] 2017-12-19
[86] 2016-06-23 (PCT/KR2016/006694)
[87] (WO2017/003131)
[30] KR (10-2015-0093054) 2015-06-30

---

[21] **2,990,159**
[13] A1
[51] **Int.Cl. G08B 13/10 (2006.01) E04F 15/02 (2006.01) G06F 3/045 (2006.01)**
[25] EN
[54] **SYSTEM FOR FORMING A FLOOR FOR DETECTING A PRESSURE APPLIED THEREON, DEVICE FOR USE IN SUCH SYSTEM, FLOORING PROVIDED THEREWITH AND CONNECTION ELEMENT FOR THE DEVICE**
[54] **SYSTEME DESTINE A FORMER UN SOL PERMETTANT DE DETECTER UNE PRESSION APPLIQUEE DESSUS, DISPOSITIF DESTINE A ETRE UTILISE DANS UN TEL SYSTEME, REVETEMENT DE SOL LE COMPORTANT ET ELEMENT DE CONNEXION POUR LE DISPOSITIF**
[72] WAGENAAR, BERTUS MICHIEL, NL
[71] TARKETT B.V., NL
[85] 2017-12-19
[86] 2016-06-08 (PCT/NL2016/050410)
[87] (WO2016/204606)
[30] NL (2014995) 2015-06-19

---

[21] **2,990,168**
[13] A1
[51] **Int.Cl. H04N 5/33 (2006.01) H04N 5/365 (2011.01) H04N 5/367 (2011.01)**
[25] FR
[54] **CORRECTION OF BAD PIXELS IN AN INFRARED IMAGE-CAPTURING APPARATUS**
[54] **CORRECTION DE PIXELS PARASITES DANS UN CAPTEUR D'IMAGE INFRAROUGE**
[72] SARAGAGLIA, AMAURY, FR
[72] DURAND, ALAIN, FR
[71] ULIS, FR
[85] 2017-12-19
[86] 2016-06-10 (PCT/FR2016/051393)
[87] (WO2016/207506)
[30] FR (FR1555963) 2015-06-26

---

[21] **2,990,171**
[13] A1
[51] **Int.Cl. A21D 8/04 (2006.01) A21D 10/00 (2006.01) A21D 13/00 (2017.01)**
[25] FR
[54] **IMPROVER AND BREADMAKING METHOD FOR PRECOOKED LOAVES STORED WITHOUT FREEZING**
[54] **AMELIORANT ET PROCEDE DE PANIFICATION POUR PAINS PRECUITS ET CONSERVES SANS CONGELATION**
[72] BLAREAU, FRANCOIS, FR
[72] BONNARDEL, PASCAL, FR
[72] DE BLESER, DAVY, BE
[72] WENTWORTH, RICHARD, FR
[71] LESAFFRE ET COMPAGNIE, FR
[85] 2017-12-19
[86] 2016-06-21 (PCT/FR2016/051505)
[87] (WO2017/001744)
[30] FR (1556077) 2015-06-29

---

[21] **2,990,175**
[13] A1
[51] **Int.Cl. C01B 3/00 (2006.01) F17C 11/00 (2006.01)**
[25] FR
[54] **DEVICE FOR GENERATING GASEOUS DIHYDROGEN**
[54] **DISPOSITIF DE GENERATION DE DIHYDROGENE GAZEUX**
[72] AUTRUSSON, NICOLAS, FR
[72] FOURNET, ARNAUD, FR
[72] FERAILLE, THIERRY, FR
[71] ARIANEGROUP SAS, FR
[85] 2017-12-19
[86] 2016-06-28 (PCT/FR2016/051586)
[87] (WO2017/001756)
[30] FR (1556116) 2015-06-30

---

[21] **2,990,277**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61K 31/497 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **TRICYCLIC DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME**
[54] **COMPOSE DERIVE TRICYCLIQUE, SON PROCEDE DE PREPARATION, ET COMPOSITION PHARMACEUTIQUE LE CONTENANT**
[72] LEE, HYUNHO, KR
[72] CHUN, KWANGWOO, KR
[72] JOE, BO-YOUNG, KR
[72] KIM, EUN SEON, KR
[72] JANG, EUN SUNG, KR
[72] OH, HYEONGCHAN, KR
[72] KIM, JEONG-MIN, KR
[72] PARK, JISEON, KR
[72] LEE, HANCHANG, KR
[71] JE IL PHARMACEUTICAL CO., LTD., KR
[85] 2017-12-08
[86] 2016-06-03 (PCT/KR2016/005911)
[87] (WO2016/200101)
[30] KR (10-2015-0081021) 2015-06-09

---

[21] **2,990,298**
[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61P 31/12 (2006.01) C07D 213/73 (2006.01)**
[25] EN
[54] **AGENTS FOR THE TREATMENT OF RETROVIRAL INFECTIOUS DISEASES**
[54] **AGENTS DE TRAITEMENT DE MALADIES INFECTIEUSES RETROVIRALES**
[72] SCHUBERT, ULRICH, DE
[72] SETZ, CHRISTIAN, DE
[72] BRYSCH, WOLFGANG, DE
[72] VON WEGERER, JORG, DE
[71] IMMUNOLOGIK GMBH, DE
[85] 2017-12-20
[86] 2015-07-10 (PCT/DE2015/000357)
[87] (WO2016/004917)
[30] DE (10 2014 010 220.3) 2014-07-10

[21] **2,990,319**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **TRANSMITTER AND RECEIVER AND METHODS OF TRANSMITTING AND RECEIVING**
[54] **EMETTEUR ET RECEPTEUR, ET PROCEDES DE TRANSMISSION ET DE RECEPTION**
[72] ATUNGSIRI, SAMUEL ASANGBENG, GB
[71] SONY CORPORATION, JP
[85] 2017-12-20
[86] 2016-06-09 (PCT/GB2016/051705)
[87] (WO2016/207607)
[30] GB (1510979.6) 2015-06-22

---

[21] **2,990,326**
[13] A1
[51] **Int.Cl. A61K 38/44 (2006.01) A61K 35/644 (2015.01) A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 47/06 (2006.01) A61K 47/10 (2017.01) A61P 31/04 (2006.01) A61P 31/22 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS AND FORMULATIONS**
[54] **COMPOSITIONS ANTIMICROBIENNES ET FORMULATIONS LIBERANT DU PEROXYDE D'HYDROGENE**
[72] COX, SOPHIE CONSTANCE, GB
[72] HALL, THOMAS JON, GB
[72] GROVER, LIAM MICHAEL, GB
[72] SALIB, RAMI, GB
[72] PATTON, THOMAS, IE
[72] BRENNAN, JAMES, IE
[72] BARRETT, JOHN REGINALD, IE
[72] STAPLES, IAN, GB
[71] MATOKE HOLDINGS LIMITED, GB
[85] 2017-12-20
[86] 2016-07-22 (PCT/GB2016/052258)
[87] (WO2017/013448)
[30] GB (1513045.3) 2015-07-23
[30] GB (1606249.9) 2016-04-12

---

[21] **2,990,335**
[13] A1
[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF INDOLEAMINE 2,3-DIOXYGENASE**
[54] **INHIBITEURS D'INDOLEAMINE 2,3-DIOXYGENASE**
[72] KAZMIERSKI, WIESLAW MIECZYSLAW, US
[72] DE LA ROSA, MARTHA ALICIA, US
[72] SAMANO, VICENTE, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2017-12-20
[86] 2016-06-30 (PCT/IB2016/053947)
[87] (WO2017/002078)
[30] US (62/187,937) 2015-07-02

---

[21] **2,990,337**
[13] A1
[51] **Int.Cl. G08C 17/02 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **REMOTE CONTROL**
[54] **EQUIPEMENT DE TELECOMMANDE**
[72] HAMAIN, FREDERIC, FR
[72] IRIART, NICOLAS, FR
[72] KLIS, NICOLAS, FR
[71] SIATECH, FR
[85] 2017-12-20
[86] 2016-06-08 (PCT/FR2016/051374)
[87] (WO2016/207505)
[30] FR (1555737) 2015-06-23

---

[21] **2,990,345**
[13] A1
[51] **Int.Cl. H01R 13/639 (2006.01)**
[25] FR
[54] **SYSTEM FOR LOCKING A FITTING BASE OF A PLUG TO A PLUG, ASSOCIATED FITTING BASE AND PLUG**
[54] **SYSTEME DE VERROUILLAGE D'UN SOCLE D'EMBOITEMENT D'UNE PRISE AVEC UNE PRISE, SOCLE D'EMBOITEMENT ET PRISE ASSOCIES**
[72] MARTINEZ, PATRICE, FR
[72] PETRETTO, FRANCK, FR
[72] BOUZONNET, LORIS, FR
[71] BULL SAS, FR
[85] 2017-12-20
[86] 2016-06-23 (PCT/FR2016/051547)
[87] (WO2017/006009)
[30] FR (1556327) 2015-07-03

---

[21] **2,990,351**
[13] A1
[51] **Int.Cl. A23G 1/42 (2006.01)**
[25] EN
[54] **CONVENTIONAL OR REDUCED-CALORIE FILLED OR UNFILLED VITAMIN-ENRICHED CHOCOLATE AND PROCESS FOR THE PRODUCTION THEREOF**
[54] **CHOCOLAT ENRICHI EN VITAMINES FOURRE OU NON FOURRE CLASSIQUE OU A FAIBLE TENEUR EN CALORIES ET PROCEDE DE PRODUCTION ASSOCIE**
[72] BANATFY, RUDOLF, HU
[71] VITA CHOCO KFT., HU
[85] 2017-12-20
[86] 2016-07-08 (PCT/HU2016/000046)
[87] (WO2017/009675)
[30] HU (P1500321) 2015-07-10

---

[21] **2,990,352**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) A01N 1/02 (2006.01)**
[25] FR
[54] **METHOD FOR THE CRYOPRESERVATION OF TUMOUR-INFILTRATING LYMPHOCYTES**
[54] **PROCEDE DE CRYOCONSERVATION DE LYMPHOCYTES INFILTRANT LA TUMEUR**
[72] DE LARICHAUDY, JOFFREY, FR
[71] CHU NANTES, FR
[85] 2017-12-20
[86] 2016-06-30 (PCT/FR2016/051631)
[87] (WO2017/001784)
[30] FR (15 56164) 2015-06-30

[21] **2,990,376**
[13] A1
[51] **Int.Cl. C12N 15/77 (2006.01) C12N 9/10 (2006.01) C12P 13/00 (2006.01)**
[25] EN
[54] **MICROORGANISMS FOR PRODUCING PUTRESCINE OR ORNITHINE AND PROCESS FOR PRODUCING PUTRESCINE OR ORNITHINE USING THEM**
[54] **MICRO-ORGANISMES SERVANT A LA PRODUCTION DE PUTRESCINE OU D'ORNITHINE ET PROCEDE DE PRODUCTION DE PUTRESCINE OU D'ORNITHINE EMPLOYANT LESDITS MICRO-ORGANISMES**
[72] JUNG, HEE KYOUNG, KR
[72] UM, HYE WON, KR
[72] LI, HONG XIAN, KR
[72] PARK, SU JIN, KR
[72] YANG, YOUNG LYEOL, KR
[72] LEE, KYOUNG MIN, KR
[72] LEE, HYO HYOUNG, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2017-12-20
[86] 2016-03-29 (PCT/KR2016/003198)
[87] (WO2016/208854)
[30] KR (10-2015-0090021) 2015-06-24

---

[21] **2,990,474**
[13] A1
[51] **Int.Cl. C07D 409/14 (2006.01) A61K 31/4545 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **ENHANCER OF ZESTE HOMOLOG 2 INHIBITORS**
[54] **AMPLIFICATEUR DES INHIBITEURS DE L'HOMOLOGUE 2 DE ZESTE**
[72] BRACKLEY, III, JAMES A., US
[72] GRAVES, III, ALAN PETERSON, US
[72] KNIGHT, STEVEN DAVID, US
[72] MCNULTY, KENNETH C., CA
[72] NEWLANDER, KENNETH ALLEN, US
[72] TIAN, XINRONG, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-12-19
[86] 2016-06-30 (PCT/IB2016/053929)
[87] (WO2017/002064)
[30] US (62/186,550) 2015-06-30
[30] US (62/241,254) 2015-10-14
[30] US (62/313,207) 2016-03-25
[30] US (62/332,099) 2016-05-05

---

[21] **2,990,535**
[13] A1
[51] **Int.Cl. G01N 33/569 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET PROCEDES**
[72] BAIRD, MARK STEPHEN, GB
[72] GWENIN, CHRISTOPHER DAVID, GB
[72] AL-DULAYYMI, JUMA'A RAHEEM NAJEEM, GB
[72] MOHAMMED, MOHSIN OMAR, GB
[71] DIAGNOSTIG LTD, GB
[85] 2017-12-21
[86] 2016-08-12 (PCT/GB2016/052508)
[87] (WO2017/025757)
[30] GB (1514413.2) 2015-08-13

---

[21] **2,990,541**
[13] A1
[51] **Int.Cl. G02B 27/22 (2018.01) G02B 5/30 (2006.01) G02B 27/26 (2006.01)**
[25] EN
[54] **STEREOSCOPIC 3D PROJECTION SYSTEM WITH IMPROVED LEVEL OF OPTICAL LIGHT EFFICIENCY**
[54] **SYSTEME DE PROJECTION 3D STEREOSCOPIQUE AVEC UN MEILLEUR NIVEAU D'EFFICACITE DE LUMIERE OPTIQUE**
[72] PALMER, STEPHEN, SE
[71] VOLFONI R&D EURL, FR
[85] 2017-12-21
[86] 2016-06-24 (PCT/IB2016/001004)
[87] (WO2016/207724)
[30] US (14/750,227) 2015-06-25

---

[21] **2,990,547**
[13] A1
[51] **Int.Cl. F16K 49/00 (2006.01) F16K 47/00 (2006.01)**
[25] EN
[54] **SELF-HEAT-DISSIPATION PRESSURE-REDUCING VALVE**
[54] **VANNE DE DETENTE A DISSIPATION THERMIQUE AUTOMATIQUE**
[72] LIU, XIUMEI, CN
[72] LI, BEIBEI, CN
[72] XU, HUAWEN, CN
[72] HE, JIE, CN
[72] WANG, BINGYANG, CN
[72] JIAO, MINGLI, CN
[72] SUN, FUHUA, CN
[72] WANG, HAIBING, CN
[72] LIU, XIAOCHEN, CN
[72] DAI, ZHENZHEN, CN
[72] XIE, ZIHAO, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2018-01-25
[86] 2016-11-04 (PCT/CN2016/104508)
[87] (2990547)
[30] CN (201610884499.6) 2016-10-10

---

[21] **2,990,549**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **PROMOTERS FOR ENHANCING EXPRESSION IN POXVIRUSES**
[54] **PROMOTEURS POUR AMELIORER L'EXPRESSION DANS LES VIRUS DU GROUPE POX**
[72] DELCAYRE, ALAIN, US
[72] LI, ZENGJI, US
[72] ROUNTREE, RYAN, US
[71] BAVARIAN NORDIC A/S, DK
[85] 2017-12-21
[86] 2016-07-28 (PCT/IB2016/001183)
[87] (WO2017/021776)
[30] US (62/199,681) 2015-07-31

[21] **2,990,554**
[13] A1
[51] **Int.Cl. C02F 1/56 (2006.01) B01D 21/01 (2006.01) C02F 1/68 (2006.01) C08G 73/02 (2006.01) C08L 79/02 (2006.01)**
[25] EN
[54] **PROCESS FOR THE TREATMENT OF PRODUCED WATER FROM CHEMICAL ENHANCED OIL RECOVERY**
[54] **PROCEDE PERMETTANT LE TRAITEMENT D'EAU PRODUITE A PARTIR DE LA METHODE CHIMIQUE DE RECUPERATION ASSISTEE DU PETROLE**
[72] DUTTLINGER, WILLIAM THOMAS, JR., GB
[72] CAIRD, BRIAN SCOTT, GB
[71] ECOLAB USA INC., US
[85] 2017-12-21
[86] 2016-06-24 (PCT/IB2016/053785)
[87] (WO2017/001988)
[30] GB (1511376.4) 2015-06-29

---

[21] **2,990,558**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **AN AERIAL MICROMODULE OPTICAL CABLE AND A METHOD OF MANUFACTURING SAID CABLE**
[54] **CABLE OPTIQUE DE MICROMODULE AERIEN ET PROCEDE DE FABRICATION DUDIT CABLE**
[72] TATAT, OLIVIER, FR
[72] TESTU, JEAN-MARC, FR
[71] DRAKA COMTEQ BV, NL
[85] 2017-12-21
[86] 2015-06-26 (PCT/IB2015/001714)
[87] (WO2016/207687)

---

[21] **2,990,566**
[13] A1
[51] **Int.Cl. A61K 36/31 (2006.01) A23L 23/00 (2016.01) A23L 33/105 (2016.01) A61K 31/7028 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **GLUCORAPHNIN FOR USE IN THE TREATMENT AND/OR PREVENTION OF DIABETES MELLITUS**
[54] **GLUCORAPHANINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT ET/OU LA PREVENTION DE DIABETE SUCRE**
[72] MITHEN, RICHARD, GB
[71] PLANT BIOSCIENCE LIMITED, GB
[85] 2017-12-21
[86] 2016-06-24 (PCT/GB2016/051898)
[87] (WO2016/207651)
[30] US (62/185,379) 2015-06-26

---

[21] **2,990,569**
[13] A1
[51] **Int.Cl. H04N 5/202 (2006.01) H04N 19/00 (2014.01) G09G 5/02 (2006.01) G06T 5/00 (2006.01) G09G 5/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONVERSION OF HDR SIGNALS**
[54] **PROCEDE ET APPAREIL POUR LA CONVERSION DE SIGNAUX HDR**
[72] BORER, TIM, GB
[72] COTTON, ANDREW, GB
[71] BRITISH BROADCASTING CORPORATION, GB
[85] 2017-12-21
[86] 2016-06-30 (PCT/GB2016/051983)
[87] (WO2017/001858)
[30] GB (1511495.2) 2015-06-30

---

[21] **2,990,570**
[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) A61K 35/74 (2015.01) C12M 1/02 (2006.01) C12M 1/34 (2006.01) C12N 1/36 (2006.01) C12N 15/74 (2006.01)**
[25] EN
[54] **MANUFACTURING DEVICE AND PROCESS FOR PERSONALIZED DELIVERY VECTOR-BASED IMMUNOTHERAPY**
[54] **DISPOSITIF DE FABRICATION ET PROCEDE POUR IMMUNOTHERAPIE FONDEE SUR UN VECTEUR D'ADMINISTRATION PERSONNALISE**
[72] EAPEN, ANIL, US
[72] PETIT, ROBERT, US
[72] PUJOLS, MAYO, US
[71] ADVAXIS, INC., US
[85] 2017-12-21
[86] 2016-06-24 (PCT/IB2016/053791)
[87] (WO2016/207859)
[30] US (62/184,125) 2015-06-24
[30] US (62/342,037) 2016-05-26

---

[21] **2,990,573**
[13] A1
[51] **Int.Cl. G01N 33/86 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **BLOOD TESTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TEST SANGUIN**
[72] BELS, KEVIN, DE
[72] BRANTL, CHRISTIAN, DE
[72] WITTMANN, JOHANNES, DE
[71] CA CASYSO GMBH, CH
[85] 2017-12-21
[86] 2016-06-28 (PCT/IB2016/053860)
[87] (WO2017/002018)
[30] US (14/754,300) 2015-06-29
[30] EP (15174565.0) 2015-06-30
[30] JP (2015-132034) 2015-06-30

[21] **2,990,575**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/44 (2006.01) A61P 31/18 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES DE L'ACIDE PYRIDIN-3-YL-ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] WANG, TAO, US
[72] YIN, ZHIWEI, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2017-12-21
[86] 2016-07-06 (PCT/IB2016/054049)
[87] (WO2017/006261)
[30] US (62/188,852) 2015-07-06

---

[21] **2,990,580**
[13] A1
[51] **Int.Cl. C07D 307/50 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A FURFURAL DERIVATIVE**
[54] **PROCEDE POUR LA PREPARATION D'UN DERIVE DE FURFURAL**
[72] SIJBEN, JOHANNES MARIA FRANCISCUS, NL
[72] MAZOYER, ETIENNE, NL
[72] DE SOUSA DIAS, ANA SOFIA VAGUEIRO, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[71] SYNVINA C.V., NL
[85] 2017-12-21
[86] 2016-07-01 (PCT/NL2016/050469)
[87] (WO2017/003293)
[30] NL (2015065) 2015-07-01

---

[21] **2,990,582**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **A STABLE LIQUID FORMULATION OF FUSION PROTEIN WITH IGG FC DOMAIN**
[54] **FORMULE LIQUIDE STABLE D'UNE PROTEINE DE FUSION PRESENTANT UN DOMAINE FC D'IGG**
[72] PARK, SOON JAE, KR
[72] CHUNG, HYE SHIN, KR
[72] KIM, JUN YOUNG, KR
[71] ALTEOGEN, INC., KR
[85] 2017-12-21
[86] 2016-06-23 (PCT/KR2016/006679)
[87] (WO2016/208989)
[30] KR (10-2015-0089186) 2015-06-23
[30] KR (10-2016-0078234) 2016-06-22

---

[21] **2,990,588**
[13] A1
[51] **Int.Cl. C07D 307/46 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A FURFURAL DERIVATIVE COMPRISING NEUTRALIZING AN ACID REACTION MIXTURE**
[54] **PROCEDE DE PREPARATION D'UN DERIVE DE FURFURAL COMPRENANT LA NEUTRALISATION D'UN MELANGE REACTIONNEL ACIDE**
[72] SIJBEN, JOHANNES MARIA FRANCISCUS, NL
[72] MAZOYER, ETIENNE, NL
[72] DE SOUSA DIAS, ANA SOFIA VAGUEIRO, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[71] SYNVINA C.V., NL
[85] 2017-12-21
[86] 2016-07-01 (PCT/NL2016/050470)
[87] (WO2017/003294)
[30] NL (2015066) 2015-07-01

---

[21] **2,990,647**
[13] A1
[51] **Int.Cl. G01V 3/165 (2006.01)**
[25] EN
[54] **MARINE MAGNETISM DETECTION METHOD AND DEVICE**
[54] **METHODE ET DISPOSITIF DE DETECTION MAGNETIQUE MARINE**
[72] LIU, BAOHUA, CN
[72] PEI, YANLIANG, CN
[72] YU, KAIBEN, CN
[72] LIU, CHENGUANG, CN
[72] YANG, ZHIGUO, CN
[72] KAN, GUANGMING, CN
[71] NATIONAL DEEP SEA CENTER, CN
[71] THE FIRST INSTITUTE OF OCEANOGRAPHY, SOA, CN
[85] 2018-01-04
[86] 2016-11-02 (PCT/CN2016/104308)
[87] (2990647)
[30] CN (2016108526739) 2016-09-27

---

[21] **2,990,743**
[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR USING LAMELLAR BODIES FOR THERAPEUTIC PURPOSES**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION DE CORPS LAMELLAIRES POUR OBJECTIFS THERAPEUTIQUES**
[72] MCLEAN, ALEC, GB
[72] HOWARD, LYNSEY, GB
[72] KADIOGLU, ARAS, GB
[72] WINSTANLEY, CRAIG, GB
[71] LAMELLAR BIOMEDICAL LIMITED, GB
[85] 2017-12-22
[86] 2016-06-23 (PCT/GB2016/051890)
[87] (WO2016/207645)
[30] GB (1511058.8) 2015-06-23

[21] **2,990,759**
[13] A1
[51] **Int.Cl. H04N 21/234 (2011.01) H04N 21/262 (2011.01) H04N 21/61 (2011.01) H04N 21/81 (2011.01)**
[25] EN
[54] **METHOD AND PLATFORM FOR AUTOMATIC SELECTION OF VIDEO SEQUENCES TO FILL A BREAK IN A PROGRAM**
[54] **PROCEDE ET PLATE-FORME DE SELECTION AUTOMATIQUE DE SEQUENCES VIDEO POUR REMPLIR UNE PAUSE DANS UN PROGRAMME DIFFUSE**
[72] POTESTA, LAURENT, CH
[71] AD INSERTION PLATFORM SARL, CH
[85] 2017-12-22
[86] 2016-06-22 (PCT/IB2016/053720)
[87] (WO2016/207816)
[30] EP (15173151.0) 2015-06-22

---

[21] **2,990,763**
[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING A SEQUENCE OF SETS OF DATA FROM A COMMUNICATION DEVICE TO AN ACCESS POINT**
[54] **PROCEDE DE TRANSMISSION D'UNE SEQUENCE D'ENSEMBLES DE DONNEES, D'UN DISPOSITIF DE COMMUNICATION A UN POINT D'ACCES**
[72] SAVELLI, PATRICK, FR
[72] GUENAIS, MIKAEL, FR
[71] ABEEWAY, FR
[85] 2017-12-22
[86] 2015-06-26 (PCT/IB2015/001311)
[87] (WO2016/207681)

---

[21] **2,990,764**
[13] A1
[51] **Int.Cl. C07K 16/36 (2006.01)**
[25] EN
[54] **FACTOR XI ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS DE FACTEUR XI ET METHODES D'UTILISATION**
[72] EDER, JORG, CH
[72] EWERT, STEFAN, CH
[72] HASSIEPEN, ULRICH, CH
[72] KHDER, YASSER, CH
[72] MAYR, LORENZ M., DE
[72] MELKKO, SAMU, CH
[72] SCHIERING, NIKOLAUS, CH
[71] NOVARTIS AG, CH
[85] 2017-12-22
[86] 2016-06-24 (PCT/IB2016/053790)
[87] (WO2016/207858)
[30] US (62/184,955) 2015-06-26
[30] US (62/341,568) 2016-05-25

---

[21] **2,990,807**
[13] A1
[51] **Int.Cl. A61K 35/30 (2015.01) A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 35/12 (2015.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATING ISCHEMIC DISEASES OR NEUROGENIC INFLAMMATORY DISORDERS, CONTAINING SECRETOME OF NEURAL PROGENITOR CELLS AS ACTIVE INGREDIENT**
[54] **COMPOSITION PERMETTANT DE TRAITER DES MALADIES ISCHEMIQUES OU DES TROUBLES INFLAMMATOIRES NEUROGENES, CONTENANT UN SECRETOME DE CELLULES PROGENITRICES NEURONALES COMME INGREDIENTACTIF**
[72] KIM, DONG WOOK, KR
[72] KIM, HAN SOO, KR
[71] S-BIOMEDICS, KR
[85] 2017-12-22
[86] 2016-06-27 (PCT/KR2016/006848)
[87] (WO2016/209057)
[30] KR (10-2015-0091378) 2015-06-26

---

[21] **2,990,936**
[13] A1
[51] **Int.Cl. C14C 3/16 (2006.01)**
[25] EN
[54] **METHOD FOR TANNING AN ANIMAL SKIN**
[54] **PROCEDE DE TANNAGE D'UNE PEAU ANIMALE**
[72] COLOMER DURAN, RAMON, ES
[71] DB PATENTS LTD., MT
[85] 2017-12-27
[86] 2016-07-13 (PCT/IB2016/054178)
[87] (WO2017/009786)
[30] IT (102015000034080) 2015-07-14

---

[21] **2,990,947**
[13] A1
[51] **Int.Cl. G01N 21/3504 (2014.01) G02B 6/136 (2006.01)**
[25] EN
[54] **A SENSOR DEVICE AND A METHOD OF DETECTING A COMPONENT IN GAS**
[54] **DISPOSITIF CAPTEUR ET PROCEDE DE DETECTION D'UN CONSTITUANT DANS UN GAZ**
[72] GYLFASON, KRISTINN B., SE
[72] SOHLSTROM, HANS, SE
[72] BRIANO, FLORIA OTTONELLO, SE
[72] STEMME, GORAN, SE
[71] GYLFASON, KRISTINN B., SE
[71] SOHLSTROM, HANS, SE
[71] BRIANO, FLORIA OTTONELLO, SE
[71] STEMME, GORAN, SE
[85] 2017-12-27
[86] 2016-06-27 (PCT/SE2016/050631)
[87] (WO2017/003353)
[30] SE (1550898-9) 2015-06-29

---

[21] **2,990,997**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) G01N 21/87 (2006.01)**
[25] EN
[54] **LUMINESCENCE MEASUREMENTS IN DIAMOND**
[54] **MESURES DE LUMINESCENCE DANS LE DIAMANT**
[72] SMITH, JAMES GORDON CHARTERS, GB
[72] MCGUINNESS, COLIN, GB
[72] FISHER, DAVID, GB
[71] DE BEERS UK LTD, GB
[85] 2017-12-28
[86] 2016-06-28 (PCT/GB2016/051927)
[87] (WO2017/001835)
[30] GB (1511461.4) 2015-06-30

[21] **2,991,003**
[13] A1
[51] **Int.Cl. C12P 7/42 (2006.01) C07C 29/86 (2006.01) C12M 1/00 (2006.01) C12N 1/28 (2006.01)**
[25] FR
[54] **METHOD FOR EXTRACTING CARBOXYLIC ACIDS PRODUCED BY ANAEROBIC FERMENTATION FROM FERMENTABLE BIOMASS**
[54] **PROCEDE D'EXTRACTION D'ACIDES CARBOXYLIQUES PRODUITS PAR FERMENTATION ANAEROBIE A PARTIR DE BIOMASSE FERMENTESCIBLE**
[72] NOUAILLE, REGIS, FR
[72] PESSIOT, JEREMY, FR
[71] AFYREN, FR
[85] 2017-12-28
[86] 2016-07-13 (PCT/FR2016/051815)
[87] (WO2017/013335)
[30] FR (1556976) 2015-07-23

[21] **2,991,096**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SOLID FORMS AND FORMULATIONS OF (S)-4-(8-AMINO-3-(1-(BUT-2-YNOYL)PYRROLIDIN-2-YL)IMIDAZO[1,5-A]PYRAZIN-1-YL)-N-(PYRIDIN-2-YL)BENZAMIDE**
[54] **FORMES SOLIDES ET FORMULATIONS DE (S)-4-(8-AMINO-3-(1-(BUT-2-YNOYL)PYRROLIDIN-2-YL)IMIDAZO[1,5-A]PYRAZIN-1-YL)-N-(PYRIDIN-2-YL)BENZAMIDE**
[72] BLATTER, FRITZ, CH
[72] INGALLINERA, TIM, US
[72] BARF, TJEERD, NL
[72] ARET, EDWIN, NL
[72] KREJSA, CECILE, US
[72] EVARTS, JERRY, US
[71] ACERTA PHARMA B.V., NL
[85] 2017-12-29
[86] 2016-07-01 (PCT/IB2016/053988)
[87] (WO2017/002095)
[30] US (62/188,468) 2015-07-02
[30] US (62/271,708) 2015-12-28

[21] **2,991,107**
[13] A1
[51] **Int.Cl. A61K 38/26 (2006.01) A61K 38/28 (2006.01)**
[25] EN
[54] **GLUCAGON DERIVATIVE AND A COMPOSITION COMPRISING A LONG ACTING CONJUGATE OF THE SAME**
[54] **DERIVE DE GLUCAGON ET COMPOSITION COMPRENANT UN CONJUGUE A ACTION PROLONGEE DE CELUI-CI**
[72] PARK, YOUNG JIN, KR
[72] JUNG, SUNG YOUB, KR
[72] CHOI, IN YOUNG, KR
[72] KIM, JUNG KUK, KR
[71] HANMI PHARM. CO., LTD., KR
[85] 2017-12-29
[86] 2016-06-29 (PCT/KR2016/006984)
[87] (WO2017/003191)
[30] KR (10-2015-0093265) 2015-06-30

[21] **2,991,169**
[13] A1
[51] **Int.Cl. C06B 21/00 (2006.01) C06B 45/10 (2006.01)**
[25] EN
[54] **PBX COMPOSITION**
[54] **COMPOSITION DE PBX**
[72] STEVENS, REBECCA ELIZABETH, GB
[72] ARTHUR, RICHARD STEPHEN, GB
[72] HAYES, WAYNE CORD, GB
[72] BUDD, MICHAEL EDWARD, GB
[71] BAE SYSTEMS PLC, GB
[85] 2018-01-02
[86] 2016-07-06 (PCT/GB2016/052028)
[87] (WO2017/006109)
[30] GB (1511869.8) 2015-07-07
[30] EP (15275169.9) 2015-07-07
[30] GB (1601433.4) 2016-01-26

[21] **2,991,180**
[13] A1
[51] **Int.Cl. C10L 1/188 (2006.01) B01D 53/14 (2006.01) C10C 3/02 (2006.01) C10G 29/06 (2006.01) C10G 29/20 (2006.01) C10L 1/222 (2006.01) C10L 1/26 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **HYDROGEN SULFIDE SCAVENGING ADDITIVE COMPOSITIONS, AND MEDIUM COMPRISING THE SAME**
[54] **COMPOSITIONS D'ADDITIF DE PIEGEAGE DE SULFURE D'HYDROGENE ET MILIEU LES CONTENANT**
[72] SUBRAMANIYAM, MAHESH, IN
[71] DORF KETAL CHEMICALS (INDIA) PRIVATE LIMITED, IN
[85] 2017-12-29
[86] 2016-06-17 (PCT/IB2016/053624)
[87] (WO2017/006199)
[30] IN (2567/MUM/2015) 2015-07-03

[21] **2,991,183**
[13] A1
[51] **Int.Cl. G01N 33/569 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET PROCEDES**
[72] BAIRD, MARK STEPHEN, GB
[72] GWENIN, CHRISTOPHER DAVID, GB
[72] AL DULAYYMI, JUMA'A RAHEEM NAJEEM, GB
[72] TAHER, SALAM GHAFOUR, GB
[71] DIAGNOSTIG LTD, GB
[85] 2018-01-02
[86] 2016-08-12 (PCT/GB2016/052509)
[87] (WO2017/025758)
[30] GB (1514415.7) 2015-08-13

[21] **2,991,198**
[13] A1
[51] **Int.Cl. G01N 1/44 (2006.01) G01N 1/28 (2006.01) G01N 1/42 (2006.01) H01J 49/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING LASER ABLATION PLUMES WITHOUT ABLATION RECOIL PRODUCTS**
[54] **METHODE ET SYSTEME DE PRODUCTION DE PLUMES D'ABLATION AU LASER SANS RECUL A L'ABLATION**
[72] FRANJIC, KRESIMIR, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-02-09
[86] 2017-07-25 (PCT/CA2017/050897)
[87] (2991198)
[30] CA (2,937,046) 2016-07-25

---

[21] **2,991,230**
[13] A1
[51] **Int.Cl. G06F 19/14 (2011.01) G06F 19/24 (2011.01)**
[25] EN
[54] **GENETIC AND GENEALOGICAL ANALYSIS FOR IDENTIFICATION OF BIRTH LOCATION AND SURNAME INFORMATION**
[54] **ANALYSE GENETIQUE ET GENEALOGIQUE PERMETTANT L'IDENTIFICATION D'INFORMATIONS CONCERNANT LE LIEU DE NAISSANCE ET LE NOM DE FAMILLE**
[72] KERMANY, AMIR R., US
[72] GRANKA, JULIE M., US
[72] NOTO, KEITH D., US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2018-01-02
[86] 2016-07-07 (PCT/IB2016/054094)
[87] (WO2017/006284)
[30] US (62/189,422) 2015-07-07

---

[21] **2,991,232**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4365 (2006.01) A61K 31/4375 (2006.01) A61P 35/00 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **HETEROARYL DERIVATIVES AS PARP INHIBITORS**
[54] **DERIVES HETEROARYLE UTILISES EN TANT QU'INHIBITEURS DE PARP**
[72] KARCHE, NAVNATH POPAT, IN
[72] TILEKAR, AJAY RAMCHANDRA, IN
[72] KURHADE, SANJAY PRALHAD, IN
[72] JADHAV, GANESH RAJARAM, IN
[72] GUPTA, NISHANT RAMNIWASJI, IN
[72] SINHA, NEELIMA, IN
[72] PALLE, VENKATA P., IN
[72] KAMBOJ, RAJENDER KUMAR, IN
[71] LUPIN LIMITED, IN
[85] 2018-01-02
[86] 2016-08-13 (PCT/IB2016/054886)
[87] (WO2017/029601)
[30] IN (3111/MUM/2015) 2015-08-17
[30] IN (3588/MUM/2015) 2015-09-21
[30] IN (201621000832) 2016-01-08

---

[21] **2,991,268**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/44 (2006.01) A61P 31/18 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES DE L'ACIDE PYRIDIN-3-YL-ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] PATEL, MANOJ, US
[72] SIVAPRAKASAM, PRASANNA, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-01-03
[86] 2016-07-06 (PCT/IB2016/054048)
[87] (WO2017/006260)
[30] US (62/189,975) 2015-07-08

---

[21] **2,991,273**
[13] A1
[51] **Int.Cl. C07D 317/70 (2006.01) A61K 31/36 (2006.01) A61K 31/404 (2006.01) A61K 31/4184 (2006.01) A61K 31/426 (2006.01) A61K 31/433 (2006.01) A61K 31/443 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61P 11/00 (2006.01) C07D 405/12 (2006.01) C07D 407/12 (2006.01) C07D 493/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED TRICYCLICS AND METHOD OF USE**
[54] **COMPOSES TRICYCLIQUES SUBSTITUES ET PROCEDE D'UTILISATION**
[72] ALTENBACH, ROBERT J., US
[72] BOGDAN, ANDREW, US
[72] COWART, MARLON D., US
[72] ESMIEU, WILLIAM RAMESH, GB
[72] GFESSER, GREGORY A., US
[72] GRESZLER, STEPHEN N., US
[72] KOENIG, JOHN R., US
[72] KYM, PHILIP R., US
[72] LIU, BO, US
[72] MALAGU, KARINE FABIENNE, GB
[72] PATEL, SACHIN V., US
[72] SCANIO, MARC J., US
[72] SEARLE, XENIA B., US
[72] VOIGHT, ERIC, US
[72] WANG, XUEQING, US
[72] YEUNG, MING C., US
[71] ABBVIE S.A.R.L., LU
[71] GALAPAGOS NV, BE
[85] 2018-01-03
[86] 2016-07-14 (PCT/IB2016/054219)
[87] (WO2017/009804)
[30] US (62/193,391) 2015-07-16
[30] US (62/299,633) 2016-02-25

---

[21] **2,991,280**
[13] A1
[51] **Int.Cl. C05C 3/00 (2006.01) C05C 9/00 (2006.01) C05G 3/00 (2006.01)**
[25] EN
[54] **GRANULATION OF UREA PRODUCTS**
[54] **GRANULATION DE PRODUITS D'UREE**
[72] SOONS, PETRUS CATHARINA GERLACH, NL
[72] SCHAAFSMA, STEFAN HENDRIKUS, NL
[71] STAMICARBON B.V., NL
[85] 2018-01-03
[86] 2016-07-06 (PCT/NL2016/050486)
[87] (WO2017/007315)
[30] EP (15175476.9) 2015-07-06

[21] **2,991,286**
[13] A1
[51] **Int.Cl. A61K 36/27 (2006.01) A61K 36/53 (2006.01)**
[25] EN
[54] **COMPOSITION, CONTAINING EXTRACTS OF DIPSACUS ASPEROIDES AND CYNANCHUM WILFORDII AS ACTIVE INGREDIENTS, FOR PROMOTING MOTOR ABILITY AND MUSCLES**
[54] **COMPOSITION, CONTENANT DES EXTRAITS DE DIPSACUS ASPEROIDES ET CYNANCHUM WILFORDII COMME PRINCIPES ACTIFS, POUR FAVORISER LA CAPACITE MOTEUR ET LES MUSCLES**
[72] KANG, YONGKOO, KR
[71] BRAINON INC., KR
[85] 2018-01-03
[86] 2016-07-07 (PCT/KR2016/007344)
[87] (WO2017/010735)
[30] KR (10-2015-0098183) 2015-07-10

---

[21] **2,991,293**
[13] A1
[51] **Int.Cl. C06B 21/00 (2006.01) B01J 13/02 (2006.01) C06B 45/10 (2006.01)**
[25] EN
[54] **CAST EXPLOSIVE COMPOSITION**
[54] **COMPOSITION EXPLOSIVE A COULER**
[72] STEVENS, REBECCA ELIZABETH, GB
[72] ARTHUR, RICHARD, GB
[72] HAYES, WAYNE CORD, GB
[72] BUDD, MICHAEL, GB
[71] BAE SYSTEMS PLC, GB
[85] 2018-01-03
[86] 2016-07-06 (PCT/GB2016/052029)
[87] (WO2017/006110)
[30] GB (1511867.2) 2015-07-07
[30] EP (15275168.1) 2015-07-07
[30] GB (1601434.2) 2016-01-26

---

[21] **2,991,299**
[13] A1
[51] **Int.Cl. G01N 21/3504 (2014.01) G01J 1/16 (2006.01) G01N 21/31 (2006.01)**
[25] EN
[54] **GAS DETECTION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE DETECTION DE GAZ**
[72] MASSIE, CRAWFORD, GB
[72] MATHIESON, FRASER, GB
[72] GLENDINNING, ANDREW, GB
[71] GAS MEASUREMENT INSTRUMENTS LIMITED, GB
[85] 2018-01-03
[86] 2016-07-27 (PCT/GB2016/052300)
[87] (WO2017/017447)
[30] GB (1513313.5) 2015-07-28
[30] GB (PCT/GB2016/050055) 2016-01-11

---

[21] **2,991,369**
[13] A1
[51] **Int.Cl. C07D 207/04 (2006.01) C07D 233/58 (2006.01) C10L 1/232 (2006.01) C10L 10/18 (2006.01)**
[25] EN
[54] **CYCLIC QUATERNARY AMMONIUM SALTS AS FUEL OR LUBRICANT ADDITIVES**
[54] **SELS D'AMMONIUM QUATERNAIRE CYCLIQUE EN TANT QU'ADDITIFS POUR CARBURANT OU LUBRIFIANT**
[72] COOK, STEPHEN LEONARD, GB
[71] INNOSPEC LIMITED, GB
[85] 2018-01-04
[86] 2016-07-28 (PCT/GB2016/052312)
[87] (WO2017/017454)
[30] GB (1513304.4) 2015-07-28

---

[21] **2,991,462**
[13] A1
[51] **Int.Cl. G01N 21/71 (2006.01) G01N 21/15 (2006.01) G01N 21/68 (2006.01) G01N 21/85 (2006.01)**
[25] EN
[54] **METHOD FOR OBSERVATION STATE OF OPTICAL PATH IN OPTICAL EMISSION SPECTROSCOPY OF A SAMPLE AND COMPUTER PROGRAM PRODUCT FOR A PROCESSING DEVICE**
[54] **PROCEDE POUR ETAT D'OBSERVATION DE TRAJET OPTIQUE EN SPECTROSCOPIE D'EMISSION OPTIQUE D'UN ECHANTILLON ET PRODUIT-PROGRAMME INFORMATIQUE POUR UN DISPOSITIF DE TRAITEMENT**
[72] KORESAAR, LAURI, FI
[72] SALMI, BJORN, FI
[72] OLLIKAINEN, ARTO, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2018-01-05
[86] 2016-07-08 (PCT/FI2016/050504)
[87] (WO2017/009528)
[30] FI (20155546) 2015-07-10

---

[21] **2,991,464**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4545 (2006.01) A61P 31/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES DE L'ACIDE PYRIDIN-3-YL-ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] EASTMAN, KYLE J., US
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] PARCELLA, KYLE E., US
[72] PATEL, MANOJ, US
[72] TU, YONG, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-01-05
[86] 2016-07-07 (PCT/IB2016/054089)
[87] (WO2017/006280)
[30] US (62/190,598) 2015-07-09

[21] **2,991,467**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4545 (2006.01) A61P 31/00 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES DE L'ACIDE PYRIDIN-3-YL-ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] PATEL, MANOJ, US
[72] ROMINE, JEFFREY LEE, US
[72] ST. LAURENT, DENIS R., US
[72] WANG, TAO, US
[72] ZHANG, ZHONGXING, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-01-05
[86] 2016-07-07 (PCT/IB2016/054090)
[87] (WO2017/006281)
[30] US (62/190,338) 2015-07-09

[21] **2,991,468**
[13] A1
[51] **Int.Cl. C07D 207/40 (2006.01) A61K 31/4015 (2006.01) A61P 35/00 (2006.01) C07D 211/88 (2006.01)**
[25] EN
[54] **HYDANTOIN CONTAINING DEOXYURIDINE TRIPHOSPHATASE INHIBITORS**
[54] **HYDANTOINE CONTENANT DES INHIBITEURS DE LA DESOXYURIDINE TRIPHOSPHATASE**
[72] SPYVEE, MARK, US
[72] SHIRUDE, PRAVIN S., IN
[71] CV6 THERAPEUTICS (NI) LIMITED, GB
[85] 2018-01-05
[86] 2016-07-07 (PCT/IB2016/054091)
[87] (WO2017/006282)
[30] IN (740/KOL/2015) 2015-07-08

[21] **2,991,475**
[13] A1
[51] **Int.Cl. A61F 2/30 (2006.01) A61B 17/80 (2006.01) A61F 2/28 (2006.01) A61F 2/40 (2006.01)**
[25] EN
[54] **IMPROVED PROSTHESIS FOR OSTEOSYNTHESIS**
[54] **PROTHESE AMELIOREE POUR OSTEOSYNTHESE**
[72] RUSSO, ENRICO, IT
[72] RUSSO, RAFFAELE, IT
[71] DA VINCI S.R.L., IT
[85] 2018-01-05
[86] 2015-07-06 (PCT/IT2015/000179)
[87] (WO2017/006358)

[21] **2,991,524**
[13] A1
[51] **Int.Cl. C12Q 1/18 (2006.01)**
[25] FR
[54] **METHOD FOR DETERMINING THE DEGREE OF SENSITIVITY OF A STRAIN OF FUNGUS TO AN ANTIFUNGAL AGENT**
[54] **PROCEDE DE DETERMINATION DU DEGRE DE SENSIBILITE D'UNE SOUCHE DE CHAMPIGNON VIS-A-VIS D'UN ANTIFONGIQUE**
[72] MORIN-ALDEBERT, DELPHINE PAULE RENEE, FR
[72] CORNET-GIGOU, MURIELLE MONIQUE JACQUELINE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE, FR
[85] 2018-01-04
[86] 2016-07-15 (PCT/FR2016/051832)
[87] (WO2017/009585)
[30] FR (15/01489) 2015-07-15

[21] **2,991,526**
[13] A1
[51] **Int.Cl. H01Q 1/28 (2006.01) H01Q 1/12 (2006.01)**
[25] FR
[54] **ASSEMBLY OF REFLECTORS OF ELECTROMAGNETIC ANTENNAE**
[54] **ENSEMBLE DE REFLECTEURS D'ANTENNES ELECTROMAGNETIQUES**
[72] KERKOUR, GAELLE, FR
[72] KALCHMAN, LAURENT, FR
[72] LEBORGNE, FLORIAN, FR
[71] ARIANEGROUP SAS, FR
[85] 2018-01-04
[86] 2016-06-23 (PCT/FR2016/000103)
[87] (WO2017/013310)
[30] FR (1501553) 2015-07-22

[21] **2,991,533**
[13] A1
[51] **Int.Cl. G05D 1/10 (2006.01) B08B 1/00 (2006.01) B08B 3/02 (2006.01) G01B 21/20 (2006.01) G01S 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A FLYING BODY FOR CLEANING SURFACES**
[54] **METHODE DE CONTROLE D'UN CORPS VOLANT DANS LE NETTOYAGE DE SURFACES**
[72] AZAIZ, RIDHA, GB
[71] AZAIZ, RIDHA, GB
[85] 2018-01-05
[86] 2015-07-05 (PCT/DE2015/000335)
[87] (WO2016/004914)
[30] DE (10 2014 009 903.2) 2014-07-05

[21] **2,991,588**
[13] A1
[51] **Int.Cl. G05D 23/19 (2006.01) G05B 6/02 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROL SYSTEM**
[54] **SYSTEME DE REGULATION DE TEMPERATURE**
[72] MULCAHY, JOHN, GB
[71] BRITISH GAS TRADING LIMITED, GB
[85] 2018-01-05
[86] 2016-07-08 (PCT/GB2016/052074)
[87] (WO2017/006137)
[30] GB (1512028.0) 2015-07-09

[21] **2,991,664**
[13] A1
[51] **Int.Cl. H04L 12/715 (2013.01) H04L 12/741 (2013.01) H04L 29/08 (2006.01)**
[25] EN
[54] **DYNAMIC PACKET ROUTING**
[54] **ROUTAGE DE PAQUETS DYNAMIQUE**
[72] BAMFORD, STEWART, GB
[71] LEVEL 3 COMMUNICATIONS LLC, US
[85] 2018-01-08
[86] 2016-06-29 (PCT/GB2016/051941)
[87] (WO2017/006081)
[30] GB (1512022.3) 2015-07-09

---

[21] **2,991,677**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 27/00 (2006.01)**
[25] EN
[54] **BIOSENSOR**
[54] **BIOCAPTEUR**
[72] SHAVER, MICHAEL P., GB
[72] HANDS, PHILIP J.W., GB
[72] FERRIER, DAVID, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[85] 2018-01-08
[86] 2016-07-07 (PCT/GB2016/052045)
[87] (WO2017/006122)
[30] GB (1511969.6) 2015-07-08

---

[21] **2,991,684**
[13] A1
[51] **Int.Cl. C07D 417/06 (2006.01) A61K 31/54 (2006.01) A61P 31/10 (2006.01) C07D 285/16 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **2-AMINO-1,3,4-THIADIAZINE AND 2-AMINO-1,3,4-OXADIAZINE BASED ANTIFUNGAL AGENTS**
[54] **AGENTS ANTIFONGIQUES A BASE DE 2-AMINO-1,3,4-THIADIAZINE ET DE 2-AMINO-1,3,4-OXADIAZINE**
[72] SIBLEY, GRAHAM EDWARD MORRIS, GB
[72] MALMSTROM, LARS JONAS, SE
[72] LARSSON, JOHANNA MARIA, SE
[71] F2G LIMITED, GB
[85] 2018-01-08
[86] 2016-07-14 (PCT/GB2016/052132)
[87] (WO2017/009651)
[30] GB (1512286.4) 2015-07-14

---

[21] **2,991,715**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) A61K 31/496 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **GDF-15 AS A HAEMATOLOGICAL TOXICITY BIOMARKER**
[54] **PROTEINE GDF-15 UTILISEE COMME BIOMARQUEUR DE TOXICITE HEMATOLOGIQUE**
[72] GUERREIRO, NELSON, CH
[72] MEILLE, CHRISTOPHE, CH
[72] WUERTHNER, JENS, CH
[71] NOVARTIS AG, CH
[85] 2018-01-08
[86] 2016-08-03 (PCT/IB2016/054685)
[87] (WO2017/021908)
[30] US (62/200,310) 2015-08-03

---

[21] **2,991,739**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) B01J 2/00 (2006.01)**
[25] FR
[54] **MANNITOL GRANULES FOR DIRECT COMPRESSION**
[54] **GRANULES DE MANNITOL POUR COMPRESSION DIRECTE**
[72] BOIT, BAPTISTE, FR
[72] LEFEVRE, PHILIPPE, FR
[71] ROQUETTE FRERES, FR
[85] 2018-01-08
[86] 2016-07-15 (PCT/FR2016/051820)
[87] (WO2017/013338)
[30] FR (1556787) 2015-07-17

---

[21] **2,991,845**
[13] A1
[51] **Int.Cl. B22F 5/00 (2006.01) B22F 3/11 (2006.01) C22C 1/08 (2006.01) E21B 10/00 (2006.01) C22C 26/00 (2006.01) C22C 29/08 (2006.01)**
[25] EN
[54] **FABRICATION METHOD USING FOAM ELEMENTS, AND STRUCTURES FABRICATED USING THE METHOD**
[54] **PROCEDE DE FABRICATION A L'AIDE D'ELEMENTS EN MOUSSE ET STRUCTURES FABRIQUEES A L'AIDE DU PROCEDE**
[72] FRANCIS, MARK JONATHAN, GB
[72] BRYANT, MARC A., GB
[71] NOV DOWNHOLE EURASIA LIMITED, GB
[85] 2018-01-09
[86] 2016-07-08 (PCT/GB2016/052063)
[87] (WO2017/009610)
[30] GB (1512095.9) 2015-07-10

---

[21] **2,991,846**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **FGFR EXPRESSION AND SUSCEPTIBILITY TO AN FGFR INHIBITOR**
[54] **EXPRESSION DE FGFR ET SENSIBILITE A UN INHIBITEUR DU FGFR**
[72] VASLIN-CHESSEX, ANNE, CH
[72] MOULON, CORINNE, CH
[72] BRICHORY, FRANCK, FR
[72] POKORSKA-BOCCI, ANNA, CH
[71] DEBIOPHARM INTERNATIONAL SA, CH
[85] 2018-01-09
[86] 2016-07-21 (PCT/IB2016/001044)
[87] (WO2017/017516)
[30] IB (PCT/IB2015/001245) 2015-07-24
[30] IB (PCT/IB2016/000290) 2016-03-14

[21] **2,991,854**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **A VALVULAR SLEEVE FOR VALVULAR PROSTHESES AND CORRESPONDING DEVICE**
[54] **GAINE VALVULAIRE POUR PROTHESES VALVULAIRES ET DISPOSITIF CORRESPONDANT**
[72] ROLANDO, GIOVANNI, IT
[72] GASCHINO, PAOLO, IT
[71] SORIN GROUP ITALIA S.R.L., IT
[85] 2018-01-09
[86] 2016-07-19 (PCT/IB2016/054281)
[87] (WO2017/013578)
[30] IT (102015000037126) 2015-07-22

---

[21] **2,991,856**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61P 25/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATMENT OF TRAUMATIC BRAIN INJURY TARGETING AGGREGATED PEPTIDES**
[54] **PROCEDE DE TRAITEMENT D'UNE LESION CEREBRALE TRAUMATIQUE CIBLANT DES PEPTIDES AGREGES**
[72] LANNFELT, LARS, SE
[72] BASUN, HANS, SE
[72] WAARA, ERIK ROLLMAN, SE
[71] BIOARCTIC NEUROSCIENCE AB, SE
[85] 2018-01-09
[86] 2016-07-20 (PCT/IB2016/054318)
[87] (WO2017/013599)
[30] US (62/195,183) 2015-07-21
[30] US (62/288,813) 2016-01-29

---

[21] **2,991,857**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL COMBINATION FOR USE IN THE TREATMENT OF CANCER**
[54] **UTILISATION COMBINEE D'ANTICORPS ANTI-PD-1 ET ANTI-M-CSF DANS LE TRAITEMENT DU CANCER**
[72] FJAELLSKOG, MARIE-LOUISE, US
[72] CAMERON, JOHN, US
[72] CAO, ZHU, US
[72] CIPOLLETTA, DANIELA, US
[72] MACISAAC, KENZIE, US
[71] NOVARTIS AG, CH
[85] 2018-01-09
[86] 2016-07-27 (PCT/IB2016/054487)
[87] (WO2017/017623)
[30] US (62/198,384) 2015-07-29
[30] US (62/352,637) 2016-06-21

---

[21] **2,991,870**
[13] A1
[51] **Int.Cl. A23L 19/12 (2016.01) A23L 19/18 (2016.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF DRIED CRUNCHY POTATO BODIES AS CONSUMABLE**
[54] **PROCEDE DE PREPARATION DE CORPS DE POMME DE TERRE SECHES CROUSTILLANTS EN TANT QUE PRODUIT ALIMENTAIRE**
[72] VAN DOORN, JOHANNES ELISABERT, NL
[71] HZPC HOLLAND B.V., NL
[85] 2018-01-09
[86] 2016-07-05 (PCT/NL2016/050477)
[87] (WO2017/010869)
[30] NL (2015152) 2015-07-10
[30] NL (2015154) 2015-07-10

---

[21] **2,991,876**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **BARRIER FUNCTION MEASUREMENTS**
[54] **MESURES DE FONCTION BARRIERE**
[72] VULTO, PAUL, NL
[72] TRIETSCH, SEBASTIAAN JOHANNES, NL
[72] LANZ, HENRIETTE LEONORE, NL
[72] VORMANN, MARIANNE KATHARINA, NL
[71] MIMETAS B.V., NL
[85] 2018-01-09
[86] 2016-07-08 (PCT/NL2016/050502)
[87] (WO2017/007325)
[30] NL (2015130) 2015-07-09

---

[21] **2,991,880**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **HUMAN CD3 BINDING ANTIBODY**
[54] **ANTICORPS SE LIANT A UN CD3 HUMAIN**
[72] BAKKER, ALEXANDER BERTHOLD HENDRIK, NL
[72] VAN LOO, PIETER FOKKO, NL
[71] MERUS N.V., NL
[85] 2018-01-09
[86] 2016-07-08 (PCT/NL2016/050507)
[87] (WO2017/010874)
[30] EP (15176355.4) 2015-07-10

---

[21] **2,991,953**
[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C07K 14/435 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01) C12N 15/62 (2006.01) C40B 40/02 (2006.01)**
[25] EN
[54] **SH3 DOMAIN DERIVATIVES**
[54] **DERIVES DE DOMAINES SH3**
[72] SAKSELA, KALLE, FI
[71] NEXT BIOMED THERAPIES OY, FI
[85] 2018-01-10
[86] 2016-07-08 (PCT/FI2016/050509)
[87] (WO2017/009533)
[30] FI (20155554) 2015-07-10

[21] **2,991,960**
[13] A1
[51] **Int.Cl. G01N 27/82 (2006.01) G01N 17/00 (2006.01) G01N 27/87 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE PREDICTION OF LEAKAGE IN A PIPELINE**
[54] **SYSTEME ET PROCEDE PERMETTANT LA PREDICTION D'UNE FUITE DANS UNE CANALISATION**
[72] WAYMAN, MALCOLM, GB
[72] TREECE, RICHARD J., GB
[71] ADVANCED ENGINEERING SOLUTIONS LTD., GB
[85] 2018-01-10
[86] 2016-05-25 (PCT/GB2016/051505)
[87] (WO2016/189299)
[30] GB (1509169.7) 2015-05-28

---

[21] **2,991,980**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HIDE1 COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS DE HIDE1 ET METHODES ASSOCIEES**
[72] DICKEN, YOSEF, IL
[72] DASSA, LIAT, IL
[72] NOVIK, AMIT, IL
[72] TOPORIK, AMIR, IL
[72] COJOCARU, GAD S., IL
[72] KLIGER, YOSSEF, IL
[72] BENITA, YAIR, IL
[72] LEVY, OFER, IL
[72] VAKNIN, ILAN, IL
[72] MACHLENKIN, ARTHUR, IL
[72] HECHT, IRIS, IL
[72] KIM, JUNGMIN, IL
[72] POW, ANDREW, IL
[72] DRAKE, ANDREW W., IL
[71] COMPUGEN LTD., IL
[85] 2018-01-10
[86] 2016-07-13 (PCT/IB2016/001079)
[87] (WO2017/009712)
[30] US (62/191,775) 2015-07-13
[30] US (62/191,804) 2015-07-13

---

[21] **2,992,025**
[13] A1
[51] **Int.Cl. C01F 7/16 (2006.01) C04B 7/32 (2006.01)**
[25] FR
[54] **PROCESS FOR MANUFACTURING CALCIUM ALUMINATES**
[54] **PROCEDE DE FABRICATION D'ALUMINATES DE CALCIUM**
[72] VALERO, REMI, FR
[72] DEFFRASNES, PHILIPPE, FR
[72] SEVER, LIONEL, FR
[72] SCHROEDER, FRANCK, FR
[71] KERNEOS, FR
[85] 2018-01-10
[86] 2016-07-13 (PCT/FR2016/051811)
[87] (WO2017/009581)
[30] FR (1556686) 2015-07-15

---

[21] **2,992,026**
[13] A1
[51] **Int.Cl. H01R 35/04 (2006.01)**
[25] EN
[54] **AN ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE**
[72] COX, GREGORY SIMON, GB
[71] VOLTRICS LTD, GB
[85] 2018-01-08
[86] 2015-07-15 (PCT/IB2015/055346)
[87] (WO2016/009365)
[30] GB (1412539.7) 2014-07-15

---

[21] **2,992,070**
[13] A1
[51] **Int.Cl. A23K 40/10 (2016.01) A23K 10/30 (2016.01) A23K 10/37 (2016.01) A23K 20/111 (2016.01) C05F 5/00 (2006.01) C05F 11/00 (2006.01)**
[25] EN
[54] **GRANULAR SOLID COMPOSITION COMPRISING TANNIN, ITS PRODUCTION PROCESS AND ITS USES IN ANIMAL FEED AND AGRICULTURE**
[54] **COMPOSITION SOLIDE GRANULAIRE COMPRENANT UN TANIN, SON PROCEDE DE PRODUCTION ET SES UTILISATIONS DANS UN ALIMENT POUR ANIMAUX ET DANS L'AGRICULTURE**
[72] MICHELOTTI, MARCO, IT
[71] PROPHOS CHEMICALS SRL, IT
[85] 2018-01-10
[86] 2016-07-21 (PCT/IB2016/054336)
[87] (WO2017/017567)
[30] IT (102015000037950) 2015-07-24

---

[21] **2,992,174**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION COMPOSITIONS FOR TREATING DISORDERS REQUIRING REMOVAL OR DESTRUCTION OF UNWANTED CELLULAR PROLIFERATIONS**
[54] **COMPOSITIONS DE COMBINAISONS POUR LE TRAITEMENT DE TROUBLES NECESSITANT LE RETRAIT OU LA DESTRUCTION DE PROLIFERATIONS CELLULAIRES NON VOULUES**
[72] AVERBACK, PAUL, BS
[71] NYMOX CORPORATION, US
[85] 2018-01-11
[86] 2016-06-13 (PCT/IB2016/053483)
[87] (WO2016/199112)
[30] US (14/738,551) 2015-06-12

---

[21] **2,992,213**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) G02B 6/10 (2006.01)**
[25] EN
[54] **APERTURE MULTIPLIER USING A RECTANGULAR WAVEGUIDE**
[54] **MULTIPLICATEUR D'OUVERTURE EMPLOYANT UN GUIDE D'ONDE RECTANGULAIRE**
[72] DANZIGER, YOCHAY, IL
[71] LUMUS LTD, IL
[85] 2018-02-20
[86] 2017-09-12 (PCT/IL2017/051028)
[87] (2992213)
[30] US (62/405,936) 2016-10-09
[30] US (62/418,919) 2016-11-08
[30] US (62/509,369) 2017-05-22

[21] **2,992,323**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H04M 1/04 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **CHARGING STATION FOR TELECOMMUNICATION DEVICES AND ELECTRONIC WATCHES**
[54] **STATION DE CHARGE POUR EQUIPEMENTS DE TELECOMMUNICATIONS ET MONTRES ELECTRONIQUES**
[72] DITTRICH, KLEMENS, DE
[71] DITTRICH, KLEMENS, DE
[85] 2018-01-12
[86] 2016-07-12 (PCT/DE2016/100309)
[87] (WO2017/008786)
[30] DE (20 2015 103 714.7) 2015-07-15
[30] DE (20 2016 101 967.2) 2016-04-14

---

[21] **2,992,397**
[13] A1
[51] **Int.Cl. G06F 19/10 (2011.01)**
[25] EN
[54] **LOCAL GENETIC ETHNICITY DETERMINATION SYSTEM**
[54] **SYSTEME DE DETERMINATION D'ETHNICITE GENETIQUE LOCALE**
[72] NOTO, KEITH D., US
[72] WANG, YONG, US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2018-01-12
[86] 2016-07-13 (PCT/IB2016/054180)
[87] (WO2017/009788)
[30] US (62/191,968) 2015-07-13

---

[21] **2,992,402**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **CONTROL CENTER SYSTEM FOR SEARCHING AND MANAGING OBJECTS ACROSS DATA CENTERS**
[54] **SYSTEME DE CENTRE DE COMMANDE PERMETTANT DE RECHERCHER ET GERER DES OBJETS A TRAVERS DES CENTRES DE DONNEES**
[72] PURUSOTHAMAN, ANAND, US
[72] PALANISAMY, MURALI, US
[71] APPVIEWX INC, US
[85] 2018-01-12
[86] 2016-07-14 (PCT/IB2016/054200)
[87] (WO2017/009797)
[30] US (14/798,738) 2015-07-14

---

[21] **2,992,404**
[13] A1
[51] **Int.Cl. A61K 31/415 (2006.01) A61K 31/135 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING CELECOXIB AND TRAMADOL**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DU CELECOXIB ET DU TRAMADOL**
[72] KIM, JUNG JU, KR
[72] LEE, DONG MIN, KR
[72] KIM, SUN KYOUNG, KR
[71] YOO YOUNG PHARM CO.,LTD., KR
[85] 2018-01-12
[86] 2016-06-29 (PCT/KR2016/006930)
[87] (WO2017/010706)
[30] KR (10-2015-0099808) 2015-07-14

---

[21] **2,992,409**
[13] A1
[51] **Int.Cl. A61F 5/455 (2006.01) A61F 5/44 (2006.01)**
[25] EN
[54] **SMART MENSTRUAL CUP AND METHOD FOR MEASURING MENSTRUAL BLOOD USING SMART MENSTRUAL CUP**
[54] **COUPE MENSTRUELLE INTELLIGENTE ET PROCEDE DE MESURE DE SANG MENSTRUEL A L'AIDE DE LA COUPE MENSTRUELLE INTELLIGENTE**
[72] HWANG, RYONG, KR
[71] LOON LAB INC., KR
[85] 2018-01-12
[86] 2016-07-13 (PCT/KR2016/007597)
[87] (WO2017/010800)
[30] KR (10-2015-0098986) 2015-07-13
[30] KR (10-2015-0099024) 2015-07-13
[30] KR (10-2016-0088516) 2016-07-13

---

[21] **2,992,417**
[13] A1
[51] **Int.Cl. A61N 1/20 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **DEVICE FOR STERILIZING OBJECTS AND ASSOCIATED METHOD OF STERILIZATION**
[54] **APPAREIL DE STERILISATION D'OBJETS ET METHODE ASSOCIEE DE STERILISATION**
[72] CASOLI, LINO, IT
[72] LAGARDE, PHILIPPE EDOUARD JOSEPH PAUL, FR
[71] LAGARDE PAJOT, JOSIANE, FR
[71] LAGARDE, PHILIPPE EDOUARD JOSEPH PAUL, FR
[85] 2018-01-12
[86] 2016-06-23 (PCT/IB2016/053742)
[87] (WO2017/009727)
[30] IT (102015000033486) 2015-07-13

---

[21] **2,992,419**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **PEPTIDE COMBINATIONS FOR USE IN THE DIAGNOSIS OF SCHIZOPHRENIA**
[54] **COMBINAISONS DE PEPTIDES A UTILISER POUR LE DIAGNOSTIC DE LA SCHIZOPHRENIE**
[72] SHINITZKY, MEIR (DECEASED), IL
[72] SCHECHTMAN, LUDMILA, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2018-01-12
[86] 2016-07-14 (PCT/IL2016/050768)
[87] (WO2017/009846)
[30] US (62/192,206) 2015-07-14

---

[21] **2,992,501**
[13] A1
[51] **Int.Cl. F24S 20/20 (2018.01)**
[25] EN
[54] **ENCLOSED SOLAR ENERGY UTILIZATION DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME D'UTILISATION D'ENERGIE SOLAIRE ENFERMEE**
[72] HU, XIAOPING, CN
[71] BOLYMEDIA HOLDINGS CO. LTD., US
[85] 2018-01-15
[86] 2015-07-29 (PCT/CN2015/085442)
[87] (WO2017/015901)

---

[21] **2,992,510**
[13] A1
[51] **Int.Cl. H04R 27/00 (2006.01)**
[25] EN
[54] **SYNCHRONISING AN AUDIO SIGNAL**
[54] **SYNCHRONISATION D'UN SIGNAL AUDIO**
[72] TULL, GRAHAM, GB
[71] POWERCHORD GROUP LIMITED, GB
[85] 2018-01-15
[86] 2016-07-14 (PCT/GB2016/052136)
[87] (WO2017/009653)
[30] GB (1512450.6) 2015-07-16

---

[21] **2,992,512**
[13] A1
[51] **Int.Cl. H04R 27/00 (2006.01)**
[25] EN
[54] **A METHOD OF AUGMENTING AN AUDIO CONTENT**
[54] **PROCEDE PERMETTANT D'AUGMENTER UN CONTENU AUDIO**
[72] TULL, GRAHAM, GB
[71] POWERCHORD GROUP LIMITED, GB
[85] 2018-01-15
[86] 2016-07-14 (PCT/GB2016/052139)
[87] (WO2017/009654)
[30] GB (1512444.9) 2015-07-16

---

[21] **2,992,517**
[13] A1
[51] **Int.Cl. A61F 2/08 (2006.01) A61B 17/04 (2006.01)**
[25] EN
[54] **JOINT STABILISATION**
[54] **STABILISATION D'ARTICULATION**
[72] WALLACE, WILLIAM ANGUS, GB
[72] RAVENSCROFT, MATTHEW JOHN, GB
[72] YOUNG, BENJAMIN JOHN, GB
[72] BEEVERS, DAVID JOHN, GB
[72] SEEDHOM, BAHAA BOTROS, GB
[71] XIROS LIMITED, GB
[71] WALLACE, WILLIAM ANGUS, GB
[71] RAVENSCROFT, MATTHEW JOHN, GB
[85] 2018-01-15
[86] 2016-07-20 (PCT/GB2016/052202)
[87] (WO2017/013431)
[30] GB (1512682.4) 2015-07-20

---

[21] **2,992,520**
[13] A1
[51] **Int.Cl. G01N 27/62 (2006.01) H01J 49/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE**
[72] PIPER, LEE JAMES, GB
[71] SMITHS DETECTION-WATFORD LIMITED, GB
[85] 2018-01-15
[86] 2016-07-29 (PCT/GB2016/052360)
[87] (WO2017/017479)
[30] GB (1513472.9) 2015-07-30

---

[21] **2,992,522**
[13] A1
[51] **Int.Cl. A23L 27/00 (2016.01) A23L 27/20 (2016.01)**
[25] EN
[54] **COMPOSITION COMPRISING TASTE MODULATION COMPOUNDS, THEIR USE AND FOODSTUFF COMPRISING THEM**
[54] **COMPOSITION COMPRENANT DES COMPOSES MODULATEURS DE GOUT, SON UTILISATION ET PRODUIT ALIMENTAIRE LA COMPRENANT**
[72] JOSEPHSON, DAVE, US
[71] V. MANE FILS, FR
[85] 2018-01-15
[86] 2016-08-05 (PCT/IB2016/001272)
[87] (WO2017/025804)
[30] US (62/202,542) 2015-08-07

---

[21] **2,992,525**
[13] A1
[51] **Int.Cl. A61K 8/29 (2006.01) A61K 8/02 (2006.01) A61K 8/19 (2006.01) A61K 8/81 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **UV-PROTECTIVE COMPOSITIONS**
[54] **COMPOSITIONS DE PROTECTION CONTRE LE RAYONNEMENT ULTRAVIOLET (UV)**
[72] LANDA, BENZION, IL
[72] ABRAMOVICH, SAGI, IL
[72] DOR, SNIR, IL
[71] LANDA LABS (2012) LTD., IL
[85] 2018-01-15
[86] 2016-07-22 (PCT/IB2016/054397)
[87] (WO2017/013633)
[30] GB (1512958.8) 2015-07-22
[30] GB (1605857.0) 2016-04-06
[30] GB (1607831.3) 2016-05-05

---

[21] **2,992,549**
[13] A1
[51] **Int.Cl. H05B 1/02 (2006.01)**
[25] EN
[54] **HEATER CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE DISPOSITIF DE CHAUFFAGE**
[72] SIEK, TADEUSZ, PL
[71] VTS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2018-01-15
[86] 2016-04-14 (PCT/PL2016/050012)
[87] (WO2017/010898)
[30] PL (P.413127) 2015-07-14

---

[21] **2,992,682**
[13] A1
[51] **Int.Cl. B09B 3/00 (2006.01) B03B 9/06 (2006.01) C04B 18/30 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSFORMING MUNICIPAL SOLID ORGANIC AND INORGANIC WASTE INTO AGGREGATES**
[54] **PROCEDE ET APPAREIL POUR TRANSFORMER DES DECHETS URBAINS SOLIDES ORGANIQUES ET INORGANIQUES EN AGREGATS**
[72] GARIN ROTONDARO, INAKI JOSE, ES
[72] GNADINGER, OSCAR MIGUEL, AR
[71] IBIRCOM S.A., UY
[85] 2018-01-16
[86] 2015-07-17 (PCT/ES2015/070552)
[87] (WO2017/013272)

---

[21] **2,992,699**
[13] A1
[51] **Int.Cl. A23L 27/00 (2016.01) A23L 27/20 (2016.01)**
[25] EN
[54] **COMPOSITION COMPRISING TASTE MODULATION COMPOUNDS, THEIR USE AND FOODSTUFF COMPRISING THEM**
[54] **COMPOSITION COMPRENANT DES COMPOSES MODULATEURS DE GOUT, SON UTILISATION ET PRODUIT ALIMENTAIRE LA COMPRENANT**
[72] JOSEPHSON, DAVE, US
[71] V. MANE FILS, FR
[85] 2018-01-16
[86] 2016-08-05 (PCT/IB2016/001309)
[87] (WO2017/025811)
[30] US (62/202,529) 2015-08-07

[21] **2,992,700**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/4245 (2006.01) A61P 37/00 (2006.01) C07D 413/04 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 491/107 (2006.01) C07D 498/08 (2006.01)**
[25] EN
[54] **OXADIAZOLE DERIVATIVES USEFUL AS HDAC INHIBITORS**
[54] **DERIVES OXADIAZOLE UTILES EN TANT QU'INHIBITEURS DE HDAC**
[72] KAIEDA, AKIRA, JP
[72] TOYOFUKU, MASASHI, JP
[72] DAINI, MASAKI, JP
[72] NARA, HIROSHI, JP
[72] YOSHIKAWA, MASATO, JP
[72] ISHII, NAOKI, JP
[72] HIDAKA, KOUSUKE, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2018-01-16
[86] 2016-07-15 (PCT/JP2016/071655)
[87] (WO2017/014321)
[30] JP (2015-143354) 2015-07-17
[30] JP (2016-029020) 2016-02-18

---

[21] **2,992,705**
[13] A1
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/51 (2006.01)**
[25] EN
[54] **NANOCAPSULE FOR DELIVERY OF LIPOPHILIC COMPOUND AND PROCESS OF PREPARATION THEREOF**
[54] **NANOCAPSULE POUR L'ADMINISTRATION D'UN COMPOSE LIPOPHILE ET PROCEDE DE PREPARATION ASSOCIE**
[72] ZAPOTOCZNY, SZCZEPAN, PL
[72] SZAFRANIEC, JOANNA, PL
[71] UNIWERSYTET JAGIELLONSKI, PL
[85] 2018-01-16
[86] 2016-07-12 (PCT/PL2016/050032)
[87] (WO2017/014655)
[30] PL (P.413155) 2015-07-17

---

[21] **2,992,791**
[13] A1
[51] **Int.Cl. F25J 3/02 (2006.01) C10G 5/06 (2006.01) C10L 3/10 (2006.01) F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PURIFYING A GAS RICH IN HYDROCARBONS**
[54] **METHODE DE PURIFICATION D'UN GAZ RICHE EN HYDROCARBURES**
[72] CHAMBRON, NICOLAS, FR
[72] COSTA DE BEAUREGARD, PIERRE, FR
[72] PARADOWSKI, HENRI, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2018-01-17
[86] 2016-07-12 (PCT/FR2016/051789)
[87] (WO2017/013329)
[30] FR (1557018) 2015-07-23

---

[21] **2,992,800**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A01N 63/00 (2006.01)**
[25] EN
[54] **NOVEL MICROORGANISMS AND THEIR USE IN AGRICULTURE**
[54] **NOUVEAUX MICRO-ORGANISMES ET LEUR UTILISATION EN AGRICULTURE**
[72] DENT, DAVID, GB
[72] PATEL, DHAVAL, GB
[72] DEVINE, GARY, GB
[71] AZOTIC TECHNOLOGIES LTD, GB
[85] 2018-01-17
[86] 2016-07-27 (PCT/GB2016/052289)
[87] (WO2017/017440)
[30] GB (1513277.2) 2015-07-28

---

[21] **2,992,802**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 36/185 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **USE OF CANNABINOIDS IN THE TREATMENT OF EPILEPSY**
[54] **UTILISATION DE CANNABINOIDES DANS LE TRAITEMENT DE L'EPILEPSIE**
[72] STOTT, COLIN, GB
[72] JONES, NICHOLAS, GB
[72] WILLIAMS, ROBIN, GB
[72] WHALLEY, BENJAMIN, GB
[71] GW PHARMA LIMITED, GB
[85] 2018-01-17
[86] 2016-07-29 (PCT/GB2016/052340)
[87] (WO2017/025712)
[30] GB (1514079.1) 2015-08-10

---

[21] **2,992,809**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A01N 63/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DIAGNOSTIC KITS**
[54] **TROUSSES DE DIAGNOSTIC**
[72] DENT, DAVID, GB
[72] PATEL, DHAVAL, GB
[72] DEVINE, GARY, GB
[71] AZOTIC TECHNOLOGIES LTD, GB
[85] 2018-01-17
[86] 2016-07-27 (PCT/GB2016/052288)
[87] (WO2017/017439)
[30] GB (1513277.2) 2015-07-28

[21] **2,992,812**
[13] A1
[51] **Int.Cl. G01J 1/42 (2006.01) A61B 90/30 (2016.01) G01J 1/04 (2006.01) G01J 1/30 (2006.01) G02B 6/35 (2006.01) G02B 6/38 (2006.01) G02B 6/40 (2006.01) G02B 6/42 (2006.01)**
[25] EN
[54] **SUB-MICRON ALIGNMENT OF A MONITORING FIBER FOR OPTICAL FEEDBACK IN AN OPHTHALMIC ENDO-ILLUMINATION SYSTEM**
[54] **ALIGNEMENT SUB-MICRONIQUE D'UNE FIBRE DE SURVEILLANCE DE RETROACTION OPTIQUE DANS UN SYSTEME D'ENDO-ECLAIRAGE OPHTALMIQUE**
[72] PAPAC, MICHAEL J., US
[72] ULINSKAS, VIT, US
[71] NOVARTIS AG, CH
[85] 2018-01-17
[86] 2016-05-03 (PCT/IB2016/052513)
[87] (WO2017/037548)
[30] US (14/840,349) 2015-08-31

---

[21] **2,992,817**
[13] A1
[51] **Int.Cl. B65D 51/16 (2006.01) B65D 41/06 (2006.01)**
[25] EN
[54] **CONTAINER AND CLOSURE AND MANUFACTURE THEREOF**
[54] **RECIPIENT ET SYSTEME DE FERMETURE ET FABRICATION DE CEUX-CI**
[72] HEIN, JOHN, GB
[72] FRASER, ANTHONY HENRY JOSEPH, GB
[71] THREADLESS CLOSURES LIMITED, GB
[85] 2018-01-17
[86] 2015-07-24 (PCT/GB2015/052154)
[87] (WO2016/012810)
[30] GB (1413249.2) 2014-07-25
[30] GB (1503512.4) 2015-03-02

---

[21] **2,992,819**
[13] A1
[51] **Int.Cl. B04B 5/04 (2006.01) B04B 7/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SAMPLE SEPARATION AND COLLECTION**
[54] **PROCEDE ET APPAREIL POUR LA SEPARATION ET LA COLLECTE D'ECHANTILLONS**
[72] BRU GIBERT, RAFAEL, ES
[72] KUPHAL, MATHIAS, ES
[72] CARRERA FABRA, JORDI, ES
[72] MARTIN BLANCO, RICARD, ES
[72] RAMIREZ, FRANCISCO JAVIER, ES
[71] BRU GIBERT, RAFAEL, ES
[71] KUPHAL, MATHIAS, ES
[71] CARRERA FABRA, JORDI, ES
[71] MARTIN BLANCO, RICARD, ES
[71] RAMIREZ, FRANCISCO JAVIER, ES
[85] 2018-01-17
[86] 2016-07-15 (PCT/IB2016/054244)
[87] (WO2017/013560)
[30] US (62/193,954) 2015-07-17
[30] US (15/210,689) 2016-07-14

---

[21] **2,992,820**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5383 (2006.01) A61P 25/30 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **DOPAMINE D3 RECEPTOR ANTAGONISTS HAVING A BICYCLO MOIETY**
[54] **ANTAGONISTES DU RECEPTEUR D3 DE LA DOPAMINE AYANT UN FRAGMENT BICYCLO**
[72] CREMONESI, SUSANNA, IT
[72] MICHELI, FABRIZIO, IT
[72] SEMERARO, TERESA, IT
[72] TARSI, LUCA, IT
[71] INDIVIOR UK LIMITED, GB
[85] 2018-01-17
[86] 2016-08-04 (PCT/IB2016/054708)
[87] (WO2017/021920)
[30] GB (1513871.2) 2015-08-05
[30] GB (1518125.8) 2015-10-13

---

[21] **2,992,823**
[13] A1
[51] **Int.Cl. B29D 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING CONTACT LENSES WITH DURABLE LUBRICIOUS COATINGS THEREON**
[54] **PROCEDE DE FABRICATION DE LENTILLES DE CONTACT RECOUVERTES DE REVETEMENTS LUBRIFIES DURABLES**
[72] QIAN, XINMING, US
[72] CHANG, FRANK, US
[72] MATSUZAWA, YASUO, US
[72] SHANKAR, VENKAT, US
[71] NOVARTIS AG, CH
[85] 2018-01-17
[86] 2016-08-29 (PCT/IB2016/055153)
[87] (WO2017/037610)
[30] US (62/214,240) 2015-09-04

---

[21] **2,992,824**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **FLUIDIC SYSTEM FOR PERFORMING ASSAYS**
[54] **SYSTEME FLUIDIQUE DESTINE A EFFECTUER DES DOSAGES**
[72] BRU GIBERT, RAFAEL, ES
[72] CARRERA FABRA, JORDI, ES
[72] COMENGES CASAS, ANNA, ES
[72] KUPHAL, MATHIAS, ES
[71] BRU GIBERT, RAFAEL, ES
[71] CARRERA FABRA, JORDI, ES
[71] COMENGES CASAS, ANNA, ES
[71] KUPHAL, MATHIAS, ES
[85] 2018-01-17
[86] 2016-07-15 (PCT/IB2016/054245)
[87] (WO2017/013561)
[30] US (62/193,884) 2015-07-17
[30] US (15/210,734) 2016-07-14

[21] **2,992,829**
[13] A1
[51] **Int.Cl. A63F 13/53 (2014.01) A63F 13/46 (2014.01) A63F 13/85 (2014.01)**
[25] EN
[54] **METHOD FOR OUTPUTTING MESSAGE USING GAME RESULT INFORMATION WINDOW**
[54] **PROCEDE PERMETTANT DE DELIVRER UN MESSAGE EN SORTIE EN UTILISANT UNE FENETRE D'INFORMATION DE RESULTAT DE JEU**
[72] YOON, JONG MIN, KR
[71] YOON, JONG MIN, KR
[85] 2018-01-17
[86] 2016-07-22 (PCT/KR2016/007994)
[87] (WO2017/014590)
[30] KR (10-2015-0103607) 2015-07-22

---

[21] **2,992,837**
[13] A1
[51] **Int.Cl. E05D 15/06 (2006.01) E05F 15/643 (2015.01)**
[25] FR
[54] **SYSTEM FOR GUIDING AND SUPPORTING A LEAF OF A PLATFORM-ACCESS DOOR**
[54] **SYSTEME DE GUIDAGE ET DE SUPPORT D'UN VANTAIL DE PORTE PALIERE DE QUAI**
[72] MAREAUX, SEBASTIEN, FR
[71] FAIVELEY TRANSPORT TOURS, FR
[85] 2018-01-17
[86] 2016-07-29 (PCT/FR2016/051995)
[87] (WO2017/021643)
[30] FR (1557442) 2015-07-31

---

[21] **2,992,865**
[13] A1
[51] **Int.Cl. B64C 11/18 (2006.01) F01D 5/14 (2006.01) F03B 11/00 (2006.01)**
[25] EN
[54] **STRUCTURE WITH RIGID PROJECTIONS ADAPTED TO TRAVERSE A FLUID ENVIRONMENT**
[54] **STRUCTURE COMPORTANT DES PARTIES SAILLANTES RIGIDES, ADAPTEE POUR TRAVERSER UN ENVIRONNEMENT FLUIDE**
[72] CHURCH, RYAN, CA
[71] CHURCH, RYAN, CA
[85] 2018-01-18
[86] 2015-08-05 (PCT/CA2015/050741)
[87] (WO2016/019468)
[30] US (62/033,331) 2014-08-05

---

[21] **2,992,915**
[13] A1
[51] **Int.Cl. A61K 49/04 (2006.01) B82Y 5/00 (2011.01) A61K 47/69 (2017.01) A61K 49/16 (2006.01) A61K 49/18 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **NEURODEGENERATIVE DISORDERS**
[54] **TROUBLES NEURODEGENERATIFS**
[72] NITHIYANANDAM, KRTIN, GB
[71] KRAN LIFE SCIENCES LLP, GB
[85] 2018-01-18
[86] 2016-07-21 (PCT/GB2016/052206)
[87] (WO2017/021686)
[30] GB (1513845.6) 2015-08-05

---

[21] **2,992,919**
[13] A1
[51] **Int.Cl. G01F 1/58 (2006.01) G01F 15/14 (2006.01) G01F 15/18 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC FLOW SENSOR**
[54] **CAPTEUR DE FLUX ELECTROMAGNETIQUE**
[72] DAMES, ANDREW NICHOLAS, GB
[72] HAYTON, CARL MARTIN, GB
[71] SENTEC LTD, GB
[85] 2018-01-18
[86] 2016-07-28 (PCT/GB2016/052323)
[87] (WO2017/017463)
[30] GB (1513271.5) 2015-07-28
[30] GB (1515159.0) 2015-08-26

---

[21] **2,992,930**
[13] A1
[51] **Int.Cl. H04N 19/63 (2014.01) H04N 19/12 (2014.01) H04N 19/136 (2014.01)**
[25] EN
[54] **METHOD FOR CHOOSING A COMPRESSION ALGORITHM DEPENDING ON THE IMAGE TYPE**
[54] **PROCEDE POUR CHOISIR UN ALGORITHME DE COMPRESSION EN FONCTION DU TYPE D'IMAGE**
[72] GERVAIS, THAN MARC-ERIC, FR
[72] LOUBET, BRUNO, FR
[72] BESSOU, NICOLAS, FR
[72] GUIMIOT, YVES, FR
[72] PETITFILS, MICKAEL, FR
[72] ROQUES, SEBASTIEN, FR
[71] COLIN, JEAN-CLAUDE, FR
[85] 2018-01-18
[86] 2015-07-09 (PCT/FR2015/000142)
[87] (WO2016/012667)
[30] FR (14/01695) 2014-07-24

---

[21] **2,992,949**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **HYDRAULIC INJECTOR AND METHODS FOR INTRA-OCULAR LENS INSERTION**
[54] **INJECTEUR HYDRAULIQUE ET METHODES POUR L'INSERTION D'UNE LENTILLE INTRAOCULAIRE**
[72] CANELLI, HUGH B., US
[72] CHANDRAKANT, PARTHA, US
[72] CHON, JAMES Y., US
[72] GORDON, RAPHAEL, US
[72] SORENSEN, GARY P., US
[72] WILSON, DANIEL J., US
[71] NOVARTIS AG, CH
[85] 2018-01-18
[86] 2016-06-16 (PCT/IB2016/053569)
[87] (WO2017/046661)
[30] US (14/855,855) 2015-09-16

[21] **2,992,952**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61B 8/00 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **CONTACT LENS MOUNTING SPECULUM FOR VITREORETINAL SURGERY**
[54] **SPECULUM DE MONTAGE DE LENTILLE DE CONTACT POUR INTERVENTION CHIRURGICALE VITREO-RETINIENNE**
[72] FARLEY, MARK, US
[72] CHARLES, STEVE, US
[71] NOVARTIS AG, CH
[85] 2018-01-18
[86] 2016-07-29 (PCT/IB2016/054537)
[87] (WO2017/046665)
[30] US (14/858,878) 2015-09-18

---

[21] **2,992,953**
[13] A1
[51] **Int.Cl. A01D 57/00 (2006.01) B65G 65/06 (2006.01)**
[25] EN
[54] **AGRICULTURAL MACHINE FOR HARVESTING A CROP, COMPRISING A HARVESTING HEAD AND A CROP TRANSPORTATION SYSTEM FOR SAID HARVESTING HEAD, AND RELATED TRANSPORTATION SYSTEM**
[54] **MACHINE AGRICOLE POUR LA RECOLTE DE CULTURE, COMPRENANT UNE TETE DE RECOLTE ET UN SYSTEME DE TRANSPORT DE CULTURE POUR LADITE TETE DE RECOLTE, ET SYSTEME DE TRANSPORT ASSOCIE**
[72] BONGIOVANNI, LIVIO, IT
[72] ARMANDO, LODOVICO, IT
[71] STW S.R.L., IT
[85] 2018-01-18
[86] 2016-08-03 (PCT/IB2016/054684)
[87] (WO2017/021907)
[30] IT (102015000042950) 2015-08-06

---

[21] **2,992,969**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04L 27/26 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **TRANSMITTING APPARATUS, RECEIVING APPARATUS, AND CONTROL METHODS THEREOF**
[54] **APPAREIL D'EMISSION, APPAREIL DE RECEPTION ET PROCEDES DE COMMANDE ASSOCIES**
[72] PARK, JUNG-HYUN, KR
[72] KIM, MIN-HO, KR
[72] PARK, SUNG-WOO, KR
[72] JUNG, SUNG-KYU, KR
[72] CHOI, CHANG-HOON, KR
[72] HWANG, DOO-CHAN, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2018-01-18
[86] 2016-07-22 (PCT/KR2016/008002)
[87] (WO2017/014591)
[30] US (62/195,883) 2015-07-23
[30] KR (10-2016-0087975) 2016-07-12

---

[21] **2,992,970**
[13] A1
[51] **Int.Cl. C12N 15/77 (2006.01) C12P 13/00 (2006.01) C12P 13/10 (2006.01)**
[25] EN
[54] **MICROORGANISMS FOR PRODUCING PUTRESCINE OR ORNITHINE AND PROCESS FOR PRODUCING PUTRESCINE OR ORNITHINE USING THEM**
[54] **MICRO-ORGANISME POUR PRODUIRE DE LA PUTRESCINE OU DE L'ORNITHINE, ET PROCEDE POUR PREPARER DE LA PUTRESCINE OU DE L'ORNITHINE A L'AIDE DE CE MICRO-ORGANISME**
[72] PARK, SU JIN, KR
[72] YANG, YOUNG LYEOL, KR
[72] UM, HYE WON, KR
[72] LI, HONG XIAN, KR
[72] LEE, KYOUNG MIN, KR
[72] LEE, BAEK SEOK, KR
[72] LEE, HYO HYOUNG, KR
[72] JUNG, HEE KYOUNG, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2018-01-18
[86] 2016-07-19 (PCT/KR2016/007841)
[87] (WO2017/014532)
[30] KR (10-2015-0102624) 2015-07-20

---

[21] **2,992,971**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDE AND USE THEREOF**
[54] **NOUVEAU PEPTIDE ET UTILISATION ASSOCIEE**
[72] KIM, HAE JIN, KR
[72] HWANG, DUK SOON, KR
[72] MOON, EUN JOUNG, KR
[71] ENSOL BIOSCIENCES INC., KR
[85] 2018-01-18
[86] 2016-07-22 (PCT/KR2016/008062)
[87] (WO2017/014604)
[30] KR (10-2015-0104332) 2015-07-23

---

[21] **2,992,973**
[13] A1
[51] **Int.Cl. C21D 8/00 (2006.01) B01D 1/06 (2006.01) B01J 19/02 (2006.01) C07C 273/04 (2006.01) C21D 6/00 (2006.01) C21D 9/08 (2006.01) C22C 33/04 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/44 (2006.01) C22C 38/58 (2006.01) F28F 21/08 (2006.01)**
[25] EN
[54] **DUPLEX STAINLESS STEEL AND USE THEREOF**
[54] **ACIER INOXYDABLE DUPLEX ET SON UTILISATION**
[72] GULLBERG, DANIEL, SE
[72] HARALDSSON, CHRISTINA, SE
[72] WILSON, ANDERS, SE
[72] SCHEERDER, ALEXANDER ALEIDA ANTONIUS, NL
[72] OFEI, KIRK ANGUAH, NL
[71] STAMICARBON B.V., NL
[85] 2018-01-18
[86] 2016-07-20 (PCT/NL2016/050542)
[87] (WO2017/014632)
[30] EP (15177441.1) 2015-07-20

[21] **2,993,092**
[13] A1
[51] **Int.Cl. A62B 33/00 (2006.01) B63C 9/00 (2006.01) F04F 5/48 (2006.01)**
[25] FR
[54] **PORTABLE INFLATION DEVICE**
[54] **DISPOSITIF PORTABLE DE GONFLAGE**
[72] SCHMETZ, JEAN-MICHEL, BE
[72] NAVEZ, NICOLAS, FR
[72] GIRAUDON, PATRICK, FR
[71] NIC IMPEX, FR
[85] 2018-01-19
[86] 2016-07-12 (PCT/FR2016/051782)
[87] (WO2017/013327)
[30] FR (1557000) 2015-07-23

---

[21] **2,993,093**
[13] A1
[51] **Int.Cl. A61F 5/455 (2006.01)**
[25] EN
[54] **ERGONOMIC MENSTRUAL CUP**
[54] **COUPE MENSTRUELLE ERGONOMIQUE**
[72] MEDAS, BERTRAND, FR
[71] TEOLAB, FR
[85] 2018-01-19
[86] 2016-07-19 (PCT/FR2016/051845)
[87] (WO2017/017340)
[30] FR (1557046) 2015-07-24

---

[21] **2,993,129**
[13] A1
[51] **Int.Cl. E03C 1/122 (2006.01) E03F 5/04 (2006.01) E03F 5/14 (2006.01) E03F 5/22 (2006.01) E03F 5/26 (2006.01)**
[25] EN
[54] **SEWAGE PIT**
[54] **FOSSE D'EAUX USEES**
[72] VAN DEN BERG, EDUARDO ALEXANDER, NL
[71] PHARMAFILTER B.V., NL
[85] 2018-01-19
[86] 2016-07-21 (PCT/NL2016/050547)
[87] (WO2017/014636)
[30] NL (2015201) 2015-07-21
[30] NL (2016583) 2016-04-11

---

[21] **2,993,130**
[13] A1
[51] **Int.Cl. A23G 9/08 (2006.01) B01F 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING REFRIGERATED PRODUCTS**
[54] **PROCEDE DE PREPARATION DE PRODUITS REFRIGERES**
[72] GRAMPASSI, ENRICO, IT
[71] S.P.M. DRINK SYSTEMS S.P.A., IT
[85] 2018-01-19
[86] 2016-08-04 (PCT/IB2016/054714)
[87] (WO2017/021925)
[30] IT (102015000043059) 2015-08-06

---

[21] **2,993,131**
[13] A1
[51] **Int.Cl. C05G 3/08 (2006.01) C05D 3/00 (2006.01) C05D 5/00 (2006.01) C05G 5/00 (2006.01)**
[25] EN
[54] **FERTILIZER COMPOSITION AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITION D'ENGRAIS ET SES PROCEDES DE FABRICATION ET D'UTILISATION**
[72] KANAGALINGAM, SABESHAN, SA
[72] HEGDE, RAVI, IN
[72] SRINIVASARAO, MADDURI, IN
[72] KORIPELLY, RAJAMALLESWARAMMA, IN
[72] GUPTA, SAMIK, IN
[72] BAG, NILKAMAL, IN
[72] BURLA, SATISH, IN
[72] GURUMALLAPPA, YOGANAND, IN
[71] SABIC GLOBAL TECHNOLOGIES B.V., NL
[85] 2018-01-19
[86] 2016-07-18 (PCT/IB2016/054270)
[87] (WO2017/013572)
[30] US (62/194,589) 2015-07-20
[30] US (62/316,188) 2016-03-31

---

[21] **2,993,135**
[13] A1
[51] **Int.Cl. G06K 7/08 (2006.01) G06K 7/00 (2006.01)**
[25] FR
[54] **LECTEUR DE CARTE COMPACT**
[54] **COMPACT CARD READER**
[72] ROTSAERT, CHRISTOPHER, FR
[71] ROAM DATA, INC., US
[85] 2018-01-19
[86] 2016-07-20 (PCT/IB2016/054326)
[87] (WO2017/013606)
[30] FR (15/56838) 2015-07-20

---

[21] **2,993,137**
[13] A1
[51] **Int.Cl. F16L 55/40 (2006.01) G01N 27/90 (2006.01)**
[25] EN
[54] **IMPROVED PIPE PIG**
[54] **RACLEUR DE TUBE AMELIORE**
[72] BANKS, STEVE, GB
[72] QUEK, SUNG, GB
[72] TORRES, VLADIMIR, GB
[72] FERNANDES, BOSCO, GB
[71] I2I PIPELINES LIMITED, GB
[85] 2018-01-19
[86] 2016-07-20 (PCT/GB2016/052182)
[87] (WO2017/013426)
[30] GB (1512905.9) 2015-07-22

---

[21] **2,993,139**
[13] A1
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **TOTAL KNEE REPLACEMENT PROSTHESIS ASSEMBLY**
[54] **ENSEMBLE PROTHESE DE REMPLACEMENT TOTAL DU GENOU**
[72] FITZPATRICK, NOEL, GB
[72] MESWANIA, JAYANTILAL, GB
[71] FITZBIONICS LIMITED, GB
[85] 2018-01-19
[86] 2016-07-20 (PCT/GB2016/052197)
[87] (WO2017/013428)
[30] GB (1512696.4) 2015-07-20

[21] **2,993,142**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) G06F 19/20 (2011.01) C12Q 1/6876 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENE SIGNATURE FOR IMMUNE THERAPIES IN CANCER**
[54] **SIGNATURE GENIQUE POUR IMMUNOTHERAPIES DANS LE CANCER**
[72] DAVISON, TIMOTHY, GB
[72] O'DONNELL, JUDE, GB
[72] BYLESJO, MAX, GB
[72] PATTERSON, FIONNUALA, GB
[72] DEHARO, STEVE, GB
[72] HILL, LAURA A., GB
[72] KEATING, KATHERINE E., GB
[72] PROUTSKI, VITALI, GB
[72] HARKIN, DENIS PAUL, GB
[72] KENNEDY, RICHARD, GB
[72] GOFFARD, NICOLAS, GB
[72] WALKER, STEVEN, GB
[72] TAGGART, LAURA, GB
[72] PARKES, EILEEN, GB
[71] ALMAC DIAGNOSTICS LIMITED, GB
[85] 2018-01-19
[86] 2016-07-21 (PCT/GB2016/052213)
[87] (WO2017/013436)
[30] GB (1512869.7) 2015-07-21
[30] US (62/237,497) 2015-10-05

---

[21] **2,993,145**
[13] A1
[51] **Int.Cl. E03C 1/042 (2006.01)**
[25] EN
[54] **INSTALLATION STRUCTURE FOR FAUCET**
[54] **STRUCTURE D'INSTALLATION POUR ROBINET**
[72] LEE, DO KYEONG, KR
[72] KIM, YONG KYOUNG, KR
[71] IDIN LAB, INC., KR
[85] 2018-01-19
[86] 2016-07-20 (PCT/KR2016/007918)
[87] (WO2017/018714)
[30] KR (10-2015-0105213) 2015-07-24

---

[21] **2,993,147**
[13] A1
[51] **Int.Cl. G10H 3/16 (2006.01) G10H 3/12 (2006.01) G10H 3/26 (2006.01)**
[25] EN
[54] **APPARATUS FOR A REED INSTRUMENT**
[54] **APPAREIL POUR INSTRUMENT A ANCHE**
[72] SMITH, BRIAN, GB
[72] DAVEY, PAUL, GB
[71] AUDIO INVENTIONS LIMITED, GB
[85] 2018-01-19
[86] 2016-07-25 (PCT/GB2016/052267)
[87] (WO2017/013455)
[30] GB (1513036.2) 2015-07-23

---

[21] **2,993,160**
[13] A1
[51] **Int.Cl. B05B 17/00 (2006.01) B05B 17/06 (2006.01)**
[25] EN
[54] **ATOMISER ASSEMBLY**
[54] **ENSEMBLE ATOMISEUR**
[72] GASKIN, GRAHAM, GB
[72] HILLIER, STEPHEN JOHN, GB
[71] THE JAMES HUTTON INSTITUTE, GB
[85] 2018-01-19
[86] 2016-09-16 (PCT/GB2016/052900)
[87] (WO2017/046607)
[30] GB (1516492.4) 2015-09-17

---

[21] **2,993,238**
[13] A1
[51] **Int.Cl. D07B 5/00 (2006.01) D07B 7/02 (2006.01)**
[25] EN
[54] **HYBRID STRANDED CONDUCTOR**
[54] **CABLE TORONNE HYBRIDE**
[72] TRAXL, ROBERT, AT
[72] KAISER, GUNTER, AT
[72] KIRTH, RUDOLF, AT
[72] BJORN, ERNST, AT
[72] RUHRNOSSL, ERICH, AT
[72] BALDINGER, PETER, AT
[71] TEUFELBERGER SEIL GESELLSCHAFT M.B.H., AT
[85] 2018-01-22
[86] 2016-07-21 (PCT/AT2016/060012)
[87] (WO2017/011847)
[30] AT (A 50649/2015) 2015-07-23

---

[21] **2,993,279**
[13] A1
[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/32 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **PAYMENT HANDLING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE GESTION DE PAIEMENT**
[72] JAMIESON, STUART, GB
[72] GOODMAN, JAMES, GB
[72] SYMINGTON, KEITH, GB
[71] COMCARDE LIMITED, GB
[85] 2018-01-22
[86] 2015-08-04 (PCT/GB2015/052257)
[87] (WO2016/020672)
[30] GB (1413834.1) 2014-08-05

---

[21] **2,993,288**
[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/4439 (2006.01) A61K 31/472 (2006.01) A61K 31/4725 (2006.01) A61K 31/55 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **TREATMENT FOR VITILIGO**
[54] **TRAITEMENT DU VITILIGO**
[72] DICKSON, MARION CATHERINE, GB
[72] RUBENSTEIN, DAVID, US
[71] GLAXO GROUP LIMITED, GB
[85] 2018-01-22
[86] 2016-07-21 (PCT/IB2016/054355)
[87] (WO2017/017571)
[30] US (62/196,349) 2015-07-24

[21] **2,993,304**
[13] A1
[51] **Int.Cl. C07D 231/12 (2006.01) A61K 31/506 (2006.01) A61P 37/00 (2006.01) C07D 213/40 (2006.01) C07D 239/26 (2006.01) C07D 239/36 (2006.01) C07D 239/42 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS AS ROR GAMMA MODULATORS**
[54] **NOUVEAUX COMPOSES UTILISES EN TANT QUE MODULATEURS DE ROR GAMMA**
[72] DAS, SANJIB, IN
[72] GHARAT, LAXMIKANT ATMARAM, IN
[72] HARDE, RAJENDRA LAXMAN, IN
[72] SHELKE, SANDEEP YADUNATH, IN
[72] PARDESHI, SHAILESH RAMESH, IN
[72] THOMAS, ABRAHAM, IN
[72] KHAIRATKAR-JOSHI, NEELIMA, IN
[72] SHAH, DAISY MANISH, IN
[72] BAJPAI, MALINI, IN
[71] GLENMARK PHARMACEUTICALS S.A., CH
[85] 2018-01-22
[86] 2016-08-02 (PCT/IB2016/054639)
[87] (WO2017/021879)
[30] IN (2930/MUM/2015) 2015-08-03

---

[21] **2,993,312**
[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/4375 (2006.01) A61K 31/4985 (2006.01) A61K 31/5383 (2006.01) A61K 31/542 (2006.01) A61P 19/02 (2006.01) C07D 471/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **1-SUBSTITUTED 1,2,3,4-TETRAHYDRO-1,7-NAPHTHYRIDIN-8-AMINE DERIVATIVES AND THEIR USE AS EP4 RECEPTOR ANTAGONISTS**
[54] **DERIVES SUBSTITUES EN 1 DE 1,2,3,4-TETRAHYDRO-1,7-NAPHTYRIDIN-8-AMINE ET LEUR UTILISATION COMME ANTAGONISTES DU RECEPTEUR EP4**
[72] BARAWKAR, DINESH, IN
[72] DESHPANDE, ANIL M., IN
[72] PATIL, SANTOSH, IN
[72] WAMAN, YOGESH, IN
[72] PANMAND, ANIL, IN
[72] JADHAV, DILIP, IN
[72] KULKARNI, BHEEMASHANKAR, IN
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2018-01-22
[86] 2016-07-22 (PCT/JP2016/072244)
[87] (WO2017/014323)
[30] IN (2244/DEL/2015) 2015-07-23

---

[21] **2,993,342**
[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01)**
[25] EN
[54] **FARMING SYSTEMS**
[54] **SYSTEMES AGRICOLES**
[72] LODGE, JONATHAN, GB
[71] LODGE, JONATHAN, GB
[85] 2018-01-23
[86] 2015-07-07 (PCT/GB2015/051965)
[87] (WO2016/012748)
[30] GB (1413112.2) 2014-07-24

---

[21] **2,993,345**
[13] A1
[51] **Int.Cl. G01R 33/035 (2006.01) A61B 5/04 (2006.01)**
[25] EN
[54] **NEUROIMAGING HEADSET**
[54] **CASQUE DE NEURO-IMAGERIE**
[72] PETRASHOV, VICTOR TIKHONOVICH, GB
[71] YORK INSTRUMENTS LIMITED, GB
[85] 2018-01-23
[86] 2016-07-27 (PCT/GB2016/052295)
[87] (WO2017/017444)
[30] GB (1513191.5) 2015-07-27

---

[21] **2,993,408**
[13] A1
[51] **Int.Cl. C11D 3/37 (2006.01) C11D 11/00 (2006.01) D06B 11/00 (2006.01) D06F 35/00 (2006.01)**
[25] EN
[54] **CLEANING METHOD, APPARATUS AND USE**
[54] **PROCEDE, APPAREIL DE NETTOYAGE ET UTILISATION**
[72] BIRD, ROBERT ANDREW, GB
[72] JENKINS, STEPHEN DEREK, GB
[72] KLOKE, PHILIPP, DE
[72] KNIESEL, SIMON, DE
[72] SATHYANARAYANA, SHYAM, DE
[72] SCHOEMER, MARTINA, DE
[71] XEROS LIMITED, GB
[85] 2018-01-23
[86] 2016-07-28 (PCT/GB2016/052314)
[87] (WO2017/017455)
[30] GB (1513346.5) 2015-07-29

[21] **2,993,410**
[13] A1
[51] **Int.Cl. E02F 9/26 (2006.01) B23Q 17/09 (2006.01) E02F 9/28 (2006.01) E21B 12/02 (2006.01) G01N 3/56 (2006.01)**
[25] EN
[54] **WEAR SENSOR AND THE CORRESPONDING WEAR ELEMENT, ASSEMBLY AND USE**
[54] **CAPTEUR D'USURE ET ELEMENT D'USURE, ET ENSEMBLE ET UTILISATION CORRESPONDANTS**
[72] MARQUEZ LLINAS, JORDI, ES
[72] CESAR GALOBARDES, JOAN, ES
[72] VALLVE, NIL, ES
[72] TRIGINER BOIXEDA, JORGE, ES
[72] TORAL MARTIN, CRISTIAN, ES
[72] PUIG CASTELLO, ALBERT, ES
[72] CAMPRUBI TORRAS, ENRIC, ES
[71] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES
[85] 2018-01-23
[86] 2015-07-24 (PCT/ES2015/070574)
[87] (WO2017/017289)

---

[21] **2,993,411**
[13] A1
[51] **Int.Cl. C23C 16/54 (2006.01) C03C 17/00 (2006.01)**
[25] EN
[54] **COATING APPARATUS**
[54] **APPAREIL D'APPLICATION DE REVETEMENT**
[72] WILLIAMS, IAN ROSS, GB
[72] RAISBECK, DEBORAH, GB
[72] NELSON, DOUGLAS MARTIN, US
[72] SANDERSON, KEVIN DAVID, GB
[71] PILKINGTON GROUP LIMITED, GB
[85] 2018-01-23
[86] 2016-07-29 (PCT/GB2016/052359)
[87] (WO2017/017478)
[30] GB (1513339.0) 2015-07-29

---

[21] **2,993,416**
[13] A1
[51] **Int.Cl. A61B 3/10 (2006.01)**
[25] EN
[54] **VITREORETINAL MEMBRANE CHARACTERIZATION USING OPTICAL COHERENCE TOMOGRAPHY**
[54] **CARACTERISATION DE MEMBRANE VITREO-RETINIENNE PAR TOMOGRAPHIE EN COHERENCE OPTIQUE**
[72] REN, HUGANG, US
[72] YU, LINGFENG, US
[71] NOVARTIS AG, CH
[85] 2018-01-23
[86] 2016-06-30 (PCT/IB2016/053952)
[87] (WO2017/046662)
[30] US (14/858,541) 2015-09-18

---

[21] **2,993,417**
[13] A1
[51] **Int.Cl. A61F 9/008 (2006.01) A61F 9/007 (2006.01)**
[25] EN
[54] **CONTROL OF SCANNING IMAGES DURING VITREORETINAL SURGERY**
[54] **COMMANDE DE BALAYAGE D'IMAGES PENDANT UNE CHIRURGIE VITREO-RETINIENNE**
[72] HOPKINS, MARK, US
[72] SANCHEZ, ROBERT, US
[72] TAKAKAWA, RYAN, US
[72] YU, LINGFENG, US
[72] REN, HUGANG, US
[71] NOVARTIS AG, CH
[85] 2018-01-23
[86] 2016-06-30 (PCT/IB2016/053954)
[87] (WO2017/046663)
[30] US (14/858,701) 2015-09-18

---

[21] **2,993,423**
[13] A1
[51] **Int.Cl. C07K 14/235 (2006.01) C07K 16/00 (2006.01) C07K 16/24 (2006.01) C12N 15/62 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **IL-8-BINDING ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS DE LIAISON A L'IL-8 ET LEURS UTILISATIONS**
[72] IGAWA, TOMOYUKI, JP
[72] MAEDA, ATSUHIKO, JP
[72] NAKAMURA, GENKI, JP
[72] MURAOKA, MASARU, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2018-01-23
[86] 2016-08-05 (PCT/JP2016/003616)
[87] (WO2017/046994)
[30] JP (2015-185254) 2015-09-18

---

[21] **2,993,430**
[13] A1
[51] **Int.Cl. F16H 3/10 (2006.01) F16H 3/06 (2006.01) H02K 7/116 (2006.01)**
[25] EN
[54] **TRANSMISSION FOR MOTOR**
[54] **TRANSMISSION POUR MOTEUR**
[72] YOO, HYUK, KR
[72] JUNG, TAE-JIN, KR
[72] AN, SEONG-CHEOL, KR
[72] YOO, MOON-SOO, KR
[71] MBI CO., LTD., KR
[85] 2018-01-23
[86] 2016-06-20 (PCT/KR2016/006504)
[87] (WO2017/047911)
[30] KR (10-2015-0130523) 2015-09-15

---

[21] **2,993,481**
[13] A1
[51] **Int.Cl. B64F 5/00 (2017.01)**
[25] EN
[54] **AIRCRAFT PART ASSEMBLY**
[54] **ASSEMBLAGE DE PIECES D'AERONEFS**
[72] KIRKHAM, ANDREW JOHN, GB
[72] BRADBURY, DAVID MARK, GB
[71] BAE SYSTEMS PLC, GB
[85] 2018-01-24
[86] 2016-08-01 (PCT/GB2016/052367)
[87] (WO2017/021722)
[30] GB (1513823.3) 2015-08-05
[30] EP (15275184.8) 2015-08-05

[21] **2,993,483**
[13] A1
[51] **Int.Cl. G06F 3/147 (2006.01) G06F 1/16 (2006.01) G06F 3/14 (2006.01) G09G 3/34 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR TRANSMITTING AND DISPLAYING IMAGE INFORMATION**
[54] **PROCEDE ET AGENCEMENT DE TRANSMISSION ET D'AFFICHAGE D'INFORMATIONS D'IMAGE**
[72] KOVACS, ZOLTAN, HU
[72] KURUCZ, GABOR, HU
[71] LIBER8TECH HUNGARY KFT., HU
[85] 2018-01-24
[86] 2016-07-25 (PCT/HU2016/000049)
[87] (WO2017/017481)
[30] HU (P1500347) 2015-07-27
[30] HU (P1600155) 2016-02-29

[21] **2,993,484**
[13] A1
[51] **Int.Cl. C07D 401/08 (2006.01) A61K 31/451 (2006.01) A61K 31/4523 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **MUSCARINIC AGONISTS**
[54] **AGONISTES MUSCARINIQUES**
[72] BROWN, GILES ALBERT, GB
[72] CONGREVE, MILES STUART, GB
[72] PICKWORTH, MARK, GB
[72] TEHAN, BENJAMIN GERALD, GB
[71] HEPTARES THERAPEUTICS LIMITED, GB
[85] 2018-01-24
[86] 2016-08-03 (PCT/GB2016/052386)
[87] (WO2017/021730)
[30] GB (1513742.5) 2015-08-03

[21] **2,993,488**
[13] A1
[51] **Int.Cl. C09J 153/00 (2006.01) C09J 133/12 (2006.01)**
[25] EN
[54] **ADDITIVE COMPOSITION SUITABLE FOR USE IN A STRUCTURAL ADHESIVE**
[54] **COMPOSITION D'ADDITIF UTILISABLE DANS UN ADHESIF STRUCTURAL**
[72] BRET, CHRISTIAN, FR
[72] FRADIN, OLIVIER, FR
[72] ROUX, MATHIEU, FR
[72] VAIQUE, EMILIE, FR
[72] VALLOIR, NICOLAS, FR
[72] INOUBLI, RABER, FR
[71] ARKEMA FRANCE, FR
[85] 2018-01-24
[86] 2016-07-08 (PCT/FR2016/051748)
[87] (WO2017/017329)
[30] FR (15 57197) 2015-07-28

[21] **2,993,490**
[13] A1
[51] **Int.Cl. F21V 5/00 (2018.01) F21V 7/00 (2006.01) G02B 19/00 (2006.01)**
[25] FR
[54] **OPTICAL SYSTEM FOR NON-IMAGING COLLIMATION OF MAXIMUM LIGHT INTENSITY**
[54] **SYSTEME OPTIQUE DE COLLIMATION NON-IMAGEUR D'INTENSITE LUMINEUSE MAXIMALE**
[72] LAURET, JEAN-PIERRE, FR
[71] GAGGIONE SAS, FR
[85] 2018-01-24
[86] 2016-07-27 (PCT/FR2016/051946)
[87] (WO2017/017375)
[30] FR (15/57347) 2015-07-30

[21] **2,993,501**
[13] A1
[51] **Int.Cl. E01C 13/02 (2006.01) E01C 3/00 (2006.01) E01C 11/22 (2006.01) E01C 13/08 (2006.01)**
[25] EN
[54] **PLAYING SURFACE AND METHOD OF CONSTRUCTING SAME**
[54] **SURFACE DE JEU ET SON PROCEDE DE CONSTRUCTION**
[72] BENNETT, DUNCAN, GB
[72] FOXON, STEVE, GB
[71] NOTTS SPORT GROUP LIMITED, GB
[85] 2018-01-24
[86] 2016-07-27 (PCT/GB2016/052305)
[87] (WO2017/021696)
[30] GB (1513837.3) 2015-08-05

[21] **2,993,502**
[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01) B29C 43/00 (2006.01) B29C 45/00 (2006.01) B65D 41/00 (2006.01) C08F 2/00 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITIONS, PROCESS AND CLOSURES**
[54] **COMPOSITIONS DE POLYETHYLENE, PROCEDE ET FERMETURES**
[72] WANG, XIAOCHUAN, CA
[72] SALOMONS, STEPHEN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2018-01-24
[86] 2016-08-03 (PCT/IB2016/054689)
[87] (WO2017/029571)
[30] US (14/829,998) 2015-08-19

[21] **2,993,595**
[13] A1
[51] **Int.Cl. G01N 27/403 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL MEASURING CELL FOR MEASURING THE CONTENT OF CHLORINE COMPOUNDS IN WATER**
[54] **CELLULE DE MESURE ELECTROCHIMIQUE POUR LA MESURE DE LA TENEUR DE L'EAU EN COMPOSES CHLORES**
[72] KUNTZE, VERENA, DE
[71] KUNTZE INSTRUMENTS GMBH, DE
[85] 2018-01-22
[86] 2016-07-11 (PCT/DE2016/100306)
[87] (WO2017/012607)
[30] DE (10 2015 111 849.1) 2015-07-22

---

[21] **2,993,628**
[13] A1
[51] **Int.Cl. H04B 7/195 (2006.01)**
[25] EN
[54] **COMMUNICATION-SATELLITE SYSTEM WITH ENHANCED CAPACITY IN DESIGNATED LOCATIONS**
[54] **CONSTELLATION DE SATELLITES SUR DES ORBITES TERRESTRES BASSES, CHAQUE SATELLITE COMPRENANT UN MODULE DE COMMANDE D'ORIENTATION DESTINE A FAIRE TOURNER LE SATELLITE AUTOUR DE SON AXE DE ROULIS AFIN D'ASSURER UNE COUVERTURE RADIO TERRESTRE**
[72] WYLER, GREGORY, US
[71] WORLDVU SATELLITES LIMITED, US
[85] 2018-01-23
[86] 2016-07-21 (PCT/IB2016/054353)
[87] (WO2017/017570)
[30] US (14/808,422) 2015-07-24

---

[21] **2,993,634**
[13] A1
[51] **Int.Cl. A01N 43/828 (2006.01) A01N 43/653 (2006.01) A01P 3/00 (2006.01) A01P 15/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **APPLICATION OF 7-CARBOXYBENZO[1,2,3]THIADIAZOLE AMIDES AS PLANT STIMULANTS**
[54] **APPLICATION D'AMIDES DE 7-CARBOXYBENZO[1,2,3]THIADIAZOLE COMME STIMULANTS DE PLANTES**
[72] SMIGLAK, MARCIN, PL
[72] POSPIESZNY, HENRYK, PL
[72] KUKAWKA, RAFAL, PL
[72] LEWANDOWSKI, PIOTR, PL
[72] STOLARSKA, OLGA, PL
[72] MACIEJEWSKI, HIERONIM, PL
[71] ADAM MICKIEWICZ UNIVERSITY FOUNDATION, PL
[85] 2018-01-24
[86] 2016-07-27 (PCT/IB2016/054491)
[87] (WO2017/017626)
[30] PL (P413298) 2015-07-28

---

[21] **2,993,746**
[13] A1
[51] **Int.Cl. C07K 14/53 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENTS**
[54] **AGENTS THERAPEUTIQUES**
[72] MAHER, JOHN, GB
[72] ACHKOVA, DANIELA YORDANOVA, GB
[72] WHILDING, LYNSEY MAY, GB
[72] DRAPER, BENJAMIN OWEN, GB
[71] KING'S COLLEGE LONDON, GB
[85] 2018-01-25
[86] 2016-07-28 (PCT/GB2016/052324)
[87] (WO2017/021701)
[30] GB (1513540.3) 2015-07-31

---

[21] **2,993,751**
[13] A1
[51] **Int.Cl. A47B 47/00 (2006.01) A47B 83/00 (2006.01) A47B 97/00 (2006.01)**
[25] EN
[54] **MODULAR FURNITURE ARRANGEMENT**
[54] **SYSTEME DE MOBILIER MODULAIRE**
[72] MORIMOTO, TEPPEI, FI
[71] ABSOLUTE MODULE OY, FI
[85] 2018-01-25
[86] 2015-08-28 (PCT/FI2015/050557)
[87] (WO2016/030580)
[30] FI (20145752) 2014-08-29

---

[21] **2,993,753**
[13] A1
[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/575 (2006.01) A61K 31/58 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **BETUIN DERIVATIVES FOR PREVENTING OR TREATING HIV INFECTIONS**
[54] **DERIVES DE BETUINE PERMETTANT DE OU DE TRAITER DES INFECTIONS A VIH**
[72] JOHNS, BRIAN ALVIN, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2018-01-25
[86] 2016-07-26 (PCT/IB2016/054458)
[87] (WO2017/017609)
[30] US (62/197,765) 2015-07-28

---

[21] **2,993,756**
[13] A1
[51] **Int.Cl. B62D 9/02 (2006.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01) B62K 5/10 (2013.01) B62K 5/08 (2006.01)**
[25] EN
[54] **FORECARRIAGE OF TILTING MOTOR VEHICLE AND MOTOR VEHICLE THEREOF**
[54] **SUSPENSION AVANT POUR VEHICULE A MOTEUR**
[72] RAFFAELLI, ANDREA, IT
[71] PIAGGIO & C. S.P.A., IT
[85] 2018-01-25
[86] 2016-07-28 (PCT/IB2016/054520)
[87] (WO2017/017636)
[30] IT (102015000039551) 2015-07-29

[21] **2,993,757**
[13] A1
[51] **Int.Cl. B62D 9/02 (2006.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01) B62K 5/10 (2013.01) B62K 5/08 (2006.01)**
[25] EN
[54] **FORECARRIAGE OF TILTING MOTOR VEHICLE AND MOTOR VEHICLE THEREOF**
[54] **SUSPENSION AVANT DE VEHICULE A MOTEUR**
[72] RAFFAELLI, ANDREA, IT
[71] PIAGGIO & C. S.P.A., IT
[85] 2018-01-25
[86] 2016-07-28 (PCT/IB2016/054524)
[87] (WO2017/017639)
[30] IT (102015000039549) 2015-07-29

---

[21] **2,993,758**
[13] A1
[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/575 (2006.01) A61K 31/58 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **BETUIN DERIVATIVES FOR PREVENTING OR TREATING HIV INFECTIONS**
[54] **DERIVES DE BETUINE PERMETTANT DE PREVENIR OU DE TRAITER DES INFECTIONS A VIH**
[72] JOHNS, BRIAN ALVIN, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2018-01-25
[86] 2016-07-26 (PCT/IB2016/054456)
[87] (WO2017/017607)
[30] US (62/197,756) 2015-07-28

---

[21] **2,993,759**
[13] A1
[51] **Int.Cl. A61N 1/378 (2006.01)**
[25] EN
[54] **TRANSCUTANEOUS ENERGY TRANSFER SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRANSFERT D'ENERGIE TRANSCUTANE**
[72] ESCALONA, OMAR JACINTO, GB
[72] MCENEANEY, DAVID JOHN, GB
[72] MCLAUGHLIN, JAMES, GB
[71] UNIVERSITY OF ULSTER, GB
[85] 2018-01-25
[86] 2016-07-29 (PCT/IB2016/054555)
[87] (WO2017/021846)
[30] GB (1513596.5) 2015-07-31

---

[21] **2,993,765**
[13] A1
[51] **Int.Cl. F41H 7/04 (2006.01)**
[25] EN
[54] **ARMOURED VEHICLE**
[54] **VEHICULE BLINDE**
[72] DAVIES, CHRISTOPHER, GB
[72] SANDERCOTT, MICHAEL, GB
[71] NP AEROSPACE LIMITED, GB
[85] 2018-01-25
[86] 2016-08-05 (PCT/GB2016/052437)
[87] (WO2017/025725)
[30] GB (1514022.1) 2015-08-07

---

[21] **2,993,778**
[13] A1
[51] **Int.Cl. C12N 9/00 (2006.01) C07K 7/06 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **IMPROVED CELL-PERMEABLE (ICP) PARKIN RECOMBINANT PROTEIN AND USE THEREOF**
[54] **PROTEINE RECOMBINEE DE LA PARKINE A PERMEABILITE CELLULAIRE AMELIOREE (ICP) ET SON UTILISATION**
[72] JO, DAEWOONG, US
[71] CELLIVERY THERAPEUTICS, INC., KR
[85] 2018-01-25
[86] 2016-07-2. (PCT/KR2016/008174)
[87] (WO2017/018787)
[30] US (14/809,279) 2015-07-27

---

[21] **2,993,871**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/68 (2018.01) G01N 33/68 (2006.01)**
[25] FR
[54] **PREDICTIVE METHOD FOR CHARACTERIZING THE SENSITIVITY OF A TUMOUR IN RESPONSE TO A DNA-BREAKING TREATMENT**
[54] **METHODE PREDICTIVE POUR CARACTERISER LA SENSIBILITE D'UNE TUMEUR EN REPONSE A UN TRAITEMENT CASSANT L'ADN**
[72] FORAY, NICOLAS, FR
[72] BODGI, LARRY, FR
[72] PEREIRA, SANDRINE, FR
[71] NEOLYS DIAGNOSTICS, FR
[71] CENTRE LEON BERARD, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[85] 2018-01-25
[86] 2016-08-16 (PCT/FR2016/052082)
[87] (WO2017/029449)
[30] FR (1501752) 2015-08-19
[30] FR (1559961) 2015-10-20

---

[21] **2,993,896**
[13] A1
[51] **Int.Cl. E01B 9/42 (2006.01) B66C 7/08 (2006.01) E01B 9/46 (2006.01)**
[25] EN
[54] **RAIL FASTENING DEVICE**
[54] **DISPOSITIF DE FIXATION DE RAIL**
[72] BYGRAVE, PETER NATHAN, GB
[72] ENGERT, STEPHEN DAVID, GB
[71] GANTRY RAILING LTD, GB
[85] 2018-01-26
[86] 2016-07-27 (PCT/GB2016/052302)
[87] (WO2017/017449)
[30] GB (1513369.7) 2015-07-29
[30] GB (1600443.4) 2016-01-11

[21] **2,993,902**
[13] A1
[51] **Int.Cl. G01S 13/90 (2006.01) G01S 7/02 (2006.01)**
[25] EN
[54] **INTERFEROMETRIC RADAR WITH ROTATING ANTENNA**
[54] **RADAR INTERFEROMETRIQUE A ANTENNE TOURNANTE**
[72] PIERACCINI, MASSIMILIANO, IT
[71] UNIVERSITA' DEGLI STUDI DI FIRENZE, IT
[85] 2018-01-26
[86] 2016-07-26 (PCT/IB2016/001052)
[87] (WO2017/017518)
[30] IT (102015000038482) 2015-07-27

---

[21] **2,993,903**
[13] A1
[51] **Int.Cl. B60R 9/08 (2006.01) B60R 9/04 (2006.01)**
[25] EN
[54] **SUPPORT PAD FOR A LOAD CARRIER**
[54] **PATIN DE SUPPORT POUR PORTE-CHARGE**
[72] CONNORS, DANIEL, SE
[71] THULE SWEDEN AB, SE
[85] 2018-01-26
[86] 2016-05-13 (PCT/IB2016/052796)
[87] (WO2017/017538)
[30] US (14/811,376) 2015-07-28

---

[21] **2,993,904**
[13] A1
[51] **Int.Cl. B60R 9/045 (2006.01) B60R 9/08 (2006.01)**
[25] EN
[54] **ADJUSTABLE LOAD SUPPORT**
[54] **SUPPORT DE CHARGE REGLABLE**
[72] CONNORS, DANIEL, SE
[71] THULE SWEDEN AB, SE
[85] 2018-01-26
[86] 2016-05-13 (PCT/IB2016/052798)
[87] (WO2017/017539)
[30] US (14/811,381) 2015-07-28

---

[21] **2,993,906**
[13] A1
[51] **Int.Cl. A22B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CUTTING A CARCASS**
[54] **SYSTEME ET PROCEDE POUR COUPER UNE CARCASSE**
[72] BORK, THOMAS F., DK
[71] G.E. LEBLANC INC., CA
[71] SFK LEBLANC A/S, DK
[85] 2018-01-26
[86] 2016-08-05 (PCT/IB2016/054752)
[87] (WO2017/021937)
[30] US (62/201,699) 2015-08-06

---

[21] **2,993,907**
[13] A1
[51] **Int.Cl. C07K 16/06 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **AN IMPROVED REFOLDING PROCESS FOR ANTIBODY'S FRAGMENTS**
[54] **PROCEDE DE REPLIEMENT AMELIORE POUR FRAGMENTS D'ANTICORPS**
[72] SOMANI, SANDEEP, IN
[72] PANDEY, ASHISH, IN
[72] MISHRA, ASHOK, IN
[72] MODY, RUSTOM, SORAB, IN
[71] LUPIN LIMITED, IN
[85] 2018-01-26
[86] 2016-08-17 (PCT/IB2016/054926)
[87] (WO2017/029620)
[30] IN (3118/MUM/2015) 2015-08-17

---

[21] **2,993,908**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION OF PD-1 ANTAGONIST WITH AN EGFR INHIBITOR**
[54] **COMBINAISON D'ANTAGONISTE DE PD-1 ET D'UN INHIBITEUR D'EGFR**
[72] JIA, YONG, US
[72] KASIBHATLA, SHAILAJA, US
[72] BILIC, SANELA, US
[72] CAMERON, JOHN, US
[72] HOWARD, DANNY, JR., US
[71] NOVARTIS AG, CH
[85] 2018-01-26
[86] 2016-07-27 (PCT/IB2016/054488)
[87] (WO2017/017624)
[30] US (62/198,390) 2015-07-29
[30] US (62/331,371) 2016-05-03

---

[21] **2,993,910**
[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01) A61K 35/30 (2015.01)**
[25] EN
[54] **PREPARATION OF PHOTORECEPTORS FOR THE TREATMENT OF RETINAL DISEASES**
[54] **PREPARATION DE PHOTORECEPTEURS POUR LE TRAITEMENT DE MALADIES RETINIENNES**
[72] BOHANA-KASHTAN, OSNAT, IL
[71] CELL CURE NEUROSCIENCES LTD., IL
[85] 2018-01-26
[86] 2016-08-04 (PCT/IL2016/050856)
[87] (WO2017/021972)
[30] US (62/201,132) 2015-08-05
[30] US (62/253,739) 2015-11-11

[21] **2,993,912**
[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01)**
[25] EN
[54] **PREPARATION OF RETINAL PIGMENT EPITHELIUM CELLS**
[54] **PREPARATION DE CELLULES DE L'EPITHELIUM PIGMENTAIRE RETINIEN**
[72] BOHANA-KASHTAN, OSNAT, IL
[72] WISER, OFER, IL
[71] CELL CURE NEUROSCIENCES LTD., IL
[85] 2018-01-26
[86] 2016-08-04 (PCT/IL2016/050857)
[87] (WO2017/021973)
[30] US (62/201,156) 2015-08-05
[30] US (62/253,738) 2015-11-11

---

[21] **2,993,913**
[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01)**
[25] EN
[54] **CONTINUOUS CIRCULATION SUB CONNECTION SYSTEM AND METHOD TO CONDUCT DRILLING OPERATIONS USING SUCH A SYSTEM**
[54] **SYSTEME DE CONNEXION POUR RACCORD DOUBLE DE CIRCULATION CONTINUE ET PROCEDE POUR MENER DES OPERATIONS DE FORAGE A L'AIDE D'UN TEL SYSTEME**
[72] JOHNSON, RACHEL LYNN, US
[72] BELANGER, ALAIN JOSEPH, US
[72] BOTTINO, AURELIO, US
[72] LECCACORVI, GIANMARIA, US
[72] LEWIS, MICHAEL DON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[71] ENI S.P.A., IT
[85] 2018-01-26
[86] 2015-07-29 (PCT/IT2015/000190)
[87] (WO2017/017700)

---

[21] **2,993,914**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **PROBE SET FOR ANALYZING A DNA SAMPLE AND METHOD FOR USING THE SAME**
[54] **ENSEMBLE SONDE D'ANALYSE D'UN ECHANTILLON D'ADN ET PROCEDE POUR L'UTILISER**
[72] DAHL, CARL OSCAR FREDRIK, SE
[72] ERICSSON, OLOF JOHN, SE
[72] KARLSSON, FILIP, SE
[72] ROOS, FREDRIK, SE
[71] VANADIS DIAGNOSTICS, SE
[85] 2018-01-26
[86] 2016-09-16 (PCT/IB2016/055558)
[87] (WO2017/046775)
[30] US (62/220,746) 2015-09-18

---

[21] **2,993,918**
[13] A1
[51] **Int.Cl. C07D 271/10 (2006.01) A61K 31/4245 (2006.01) C07D 413/10 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **1,3,4-OXADIAZOLE AMIDE DERIVATIVE COMPOUND AS HISTONE DEACETYLASE 6 INHIBITOR, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME**
[54] **COMPOSE DERIVE AMIDE DE 1,3,4-OXADIAZOLE UTILISE COMME INHIBITEUR DE L'HISTONE DESACETYLASE 6, ET COMPOSITION PHARMACEUTIQUE CONTENANT CELUI-CI**
[72] LEE, JAEKWANG, KR
[72] KO, MOO SUNG, KR
[72] HAN, YOUNGHUE, KR
[72] KIM, YUNTAE, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2018-01-26
[86] 2016-07-27 (PCT/KR2016/008216)
[87] (WO2017/018804)
[30] KR (10-2015-0106007) 2015-07-27

---

[21] **2,993,919**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/08 (2012.01)**
[25] FR
[54] **METHOD FOR UPDATING ASSOCIATION DATA BETWEEN ARTICLES AND LOCATIONS**
[54] **PROCEDE DE MISE A JOUR DE DONNEES D'ASSOCIATION ENTRE DES ARTICLES ET DES EMPLACEMENTS**
[72] BOTTINE, PHILIPPE, FR
[72] ROBIN, FRANCOIS, FR
[71] SES-IMAGOTAG, FR
[85] 2018-01-26
[86] 2016-07-25 (PCT/FR2016/051930)
[87] (WO2017/017366)
[30] FR (1557153) 2015-07-27

---

[21] **2,993,920**
[13] A1
[51] **Int.Cl. A61K 47/30 (2006.01) A61K 9/107 (2006.01) A61K 31/122 (2006.01) A61K 31/337 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION WITH IMPROVED STORAGE STABILITY AND METHOD FOR PREPARING THE SAME**
[54] **COMPOSITION PHARMACEUTIQUE PRESENTANT UNE STABILITE DE STOCKAGE AMELIOREE, ET SON PROCEDE DE PREPARATION**
[72] KIM, BONG OH, KR
[72] MIN, BUM CHAN, KR
[72] KIM, JI YEONG, KR
[72] KIM, HYE RIM, KR
[72] SEO, MIN HYO, KR
[72] LEE, SA WON, KR
[72] YI, YIL WOONG, KR
[72] CHO, JOONG WOONG, KR
[72] CHOI, IN JA, KR
[71] SAMYANG BIOPHARMACEUTICALS CORPORATION, KR
[85] 2018-01-26
[86] 2016-07-28 (PCT/KR2016/008265)
[87] (WO2017/018816)
[30] KR (10-2015-0106626) 2015-07-28

[21] **2,993,922**
[13] A1
[51] **Int.Cl. A61K 31/439 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **METHOD OF WOUND HEALING**
[54] **PROCEDE DE CICATRISATION**
[72] JAGANNATH, M.R., IN
[72] VENKATARANGANNA, M.V., IN
[72] BAGGAVALLI, SOMESH, IN
[72] OOMMEN MAMMEN, ANUP, IN
[71] CONNEXIOS LIFE SCIENCES PVT. LTD., IN
[85] 2018-01-26
[86] 2016-08-11 (PCT/IN2016/050270)
[87] (WO2017/025988)
[30] IN (4178/CHE/2015) 2015-08-11

---

[21] **2,993,923**
[13] A1
[51] **Int.Cl. A61K 47/30 (2006.01) A61K 9/107 (2006.01) A61K 31/122 (2006.01) A61K 31/337 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION WITH IMPROVED STORAGE STABILITY AND METHOD FOR PREPARING THE SAME**
[54] **COMPOSITION PHARMACEUTIQUE A STABILITE AU STOCKAGE AMELIOREE, ET SON PROCEDE DE PREPARATION**
[72] KIM, BONG OH, KR
[72] KYUNG, KYU JIN, KR
[72] KIM, JI YEONG, KR
[72] KIM, HYE RIM, KR
[72] MIN, BUM CHAN, KR
[72] YOON, YOO JEONG, KR
[72] SEO, MIN HYO, KR
[72] YI, YIL WOONG, KR
[71] SAMYANG BIOPHARMACEUTICALS CORPORATION, KR
[85] 2018-01-26
[86] 2016-07-28 (PCT/KR2016/008269)
[87] (WO2017/018819)
[30] KR (10-2015-0106628) 2015-07-28

---

[21] **2,993,925**
[13] A1
[51] **Int.Cl. A61K 47/30 (2006.01) A61K 9/107 (2006.01) A61K 31/122 (2006.01) A61K 31/337 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION WITH IMPROVED STORAGE STABILITY AND METHOD FOR PREPARING THE SAME**
[54] **COMPOSITION PHARMACEUTIQUE A STABILITE AU STOCKAGE AMELIOREE, ET SON PROCEDE DE PREPARATION**
[72] KIM, BONG OH, KR
[72] KYUNG, KYU JIN, KR
[72] KIM, JI YEONG, KR
[72] KIM, HYE RIM, KR
[72] MIN, BUM CHAN, KR
[72] YOON, YOO JEONG, KR
[72] SEO, MIN HYO, KR
[72] YI, YIL WOONG, KR
[71] SAMYANG BIOPHARMACEUTICALS CORPORATION, KR
[85] 2018-01-26
[86] 2016-07-28 (PCT/KR2016/008267)
[87] (WO2017/018818)
[30] KR (10-2015-0106627) 2015-07-28

---

[21] **2,993,926**
[13] A1
[51] **Int.Cl. B64G 1/10 (2006.01) G06Q 10/06 (2012.01)**
[25] FR
[54] **METHOD FOR PLANNING THE ACQUISITION OF IMAGES OF AREAS OF THE EARTH BY A SPACECRAFT**
[54] **PROCEDE DE PLANIFICATION D'ACQUISITION D'IMAGES DE ZONES TERRESTRES PAR UN ENGIN SPATIAL**
[72] BLANC-PAQUES, PIERRE, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2018-01-26
[86] 2016-07-28 (PCT/FR2016/051963)
[87] (WO2017/017384)
[30] FR (1557215) 2015-07-28

---

[21] **2,993,928**
[13] A1
[51] **Int.Cl. A61K 47/30 (2006.01) A61K 9/107 (2006.01) A61K 31/122 (2006.01) A61K 31/337 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION WITH IMPROVED STORAGE STABILITY AND METHOD FOR PREPARING THE SAME**
[54] **COMPOSITION PHARMACEUTIQUE A STABILITE AU STOCKAGE AMELIOREE, ET SON PROCEDE DE PREPARATION**
[72] KIM, BONG OH, KR
[72] KYUNG, KYU JIN, KR
[72] KIM, JI YEONG, KR
[72] KIM, HYE RIM, KR
[72] MIN, BUM CHAN, KR
[72] YOON, YOO JEONG, KR
[72] SEO, MIN HYO, KR
[72] YI, YIL WOONG, KR
[71] SAMYANG BIOPHARMACEUTICALS CORPORATION, KR
[85] 2018-01-26
[86] 2016-07-28 (PCT/KR2016/008270)
[87] (WO2017/018820)
[30] KR (10-2015-0106629) 2015-07-28

[21] **2,993,929**
[13] A1
[51] **Int.Cl. C07D 271/10 (2006.01) A61K 31/18 (2006.01) A61K 31/4245 (2006.01) C07D 413/10 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **1,3,4-OXADIAZOLE SULFONAMIDE DERIVATIVE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND THE PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
[54] **COMPOSES DERIVES DE 1,3,4-OXADIAZOLE SULFONAMIDE SERVANT D'INHIBITEUR DE L'HISTONE DESACETYLASE 6, ET COMPOSITION PHARMACEUTIQUE COMPRENANT CEUX-CI**
[72] LEE, JAEKWANG, KR
[72] HAN, YOUNGHUE, KR
[72] KIM, YUNTAE, KR
[72] CHOI, DAEKYU, KR
[72] MIN, JAEKI, KR
[72] BAE, MISEON, KR
[72] YANG, HYUNMO, KR
[72] KIM, DOHOON, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2018-01-26
[86] 2016-07-27 (PCT/KR2016/008214)
[87] (WO2017/018803)
[30] KR (10-2015-0105976) 2015-07-27

---

[21] **2,994,021**
[13] A1
[51] **Int.Cl. A63J 5/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MAKING GROUND FOG**
[54] **METHODE ET APPAREIL DE FABRICATION DE BROUILLARD AU SOL**
[72] TOMAZETICH, MARIO, AT
[71] TOMAZETICH, MARIO, AT
[85] 2018-01-29
[86] 2016-08-01 (PCT/AT2016/060023)
[87] (WO2017/020057)
[30] AT (A 50692/2015) 2015-07-31

---

[21] **2,994,023**
[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/427 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **N-(PYRIDIN-2-YL)-4-(THIAZOL-5-YL)PYRIMIDIN-2-AMINE DERIVATIVES AS THERAPEUTIC COMPOUNDS**
[54] **DERIVES DE N-(PYRIDIN-2-YL)-4-(THIAZOL-5-YL) PYRIMIDIN-2-AMINE UTILISES COMME COMPOSES THERAPEUTIQUES**
[72] WANG, SHUDONG, AU
[72] ZELEKE, SOLOMON TADESSE, AU
[72] YU, MINGFENG, AU
[71] UNIVERSITY OF SOUTH AUSTRALIA, AU
[85] 2018-01-29
[86] 2016-08-04 (PCT/AU2016/000269)
[87] (WO2017/020065)
[30] AU (2015903106) 2015-08-04

---

[21] **2,994,025**
[13] A1
[51] **Int.Cl. F16F 9/02 (2006.01)**
[25] EN
[54] **DEVICE FOR TRIGGERING A GAS SPRING**
[54] **DISPOSITIF PERMETTANT DE DECLENCHER UN RESSORT A GAZ**
[72] WANDSCHNEIDER, GUIDO, DE
[71] WANDSCHNEIDER, GUIDO, DE
[85] 2018-01-29
[86] 2016-07-02 (PCT/DE2016/000264)
[87] (WO2017/032351)
[30] DE (10 2015 010 880.8) 2015-08-25

---

[21] **2,994,047**
[13] A1
[51] **Int.Cl. A01N 31/06 (2006.01) A01N 65/22 (2009.01) A01N 25/04 (2006.01) A01N 25/28 (2006.01) A01P 17/00 (2006.01)**
[25] FR
[54] **COMPOSITION TO REPEL INSECTS THAT ARE VECTORS FOR TROPICAL DISEASES IN SPRAY FORM**
[54] **COMPOSITION REPULSIVE CONTRE LES INSECTES VECTEURS DE MALADIES TROPICALES SOUS FORME DE SPRAY**
[72] TORTILLARD, DAVID, FR
[71] TORTILLARD, DAVID, FR
[85] 2018-01-29
[86] 2016-08-11 (PCT/FR2016/052065)
[87] (WO2017/032941)
[30] FR (15/57908) 2015-08-25

---

[21] **2,994,049**
[13] A1
[51] **Int.Cl. A61L 27/12 (2006.01) A61L 27/36 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **LARGE 3D POROUS SCAFFOLDS MADE OF ACTIVE HYDROXYAPATITE OBTAINED BY BIOMORPHIC TRANSFORMATION OF NATURAL STRUCTURES AND PROCESS FOR OBTAINING THEM**
[54] **ECHAFAUDAGES POREUX 3D DE GRANDE TAILLE CONSTITUES D'HYDROXYAPATITE ACTIVE OBTENUE PAR TRANSFORMATION BIOMORPHE DE STRUCTURES NATURELLES ET PROCEDE POUR LES OBTENIR**
[72] TAMPIERI, ANNA, IT
[72] SPRIO, SIMONE, IT
[72] RUFFINI, ANDREA, IT
[71] GREENBONE ORTHO S.R.L., IT
[85] 2018-01-29
[86] 2016-08-03 (PCT/IB2016/054665)
[87] (WO2017/021894)
[30] IT (102015000042762) 2015-08-06
[30] IT (102015000042834) 2015-08-06

[21] **2,994,055**
[13] A1
[51] **Int.Cl. G06Q 50/18 (2012.01) G06F 21/36 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING LEGAL INSTRUMENT**
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR ELECTRONIQUEMENT UN ACTE JURIDIQUE**
[72] KAMINSKI, RAYMOND, US
[72] BUNNELL, ANTHONY, US
[72] HURLEY, WILLIAM, US
[72] CARDONA, DAVID, US
[71] GOLDMAN SACHS & CO. LLC, US
[85] 2018-01-29
[86] 2016-07-03 (PCT/IB2016/053995)
[87] (WO2017/002097)
[30] US (62/188,351) 2015-07-02

---

[21] **2,994,058**
[13] A1
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/148 (2006.01) A61M 5/152 (2006.01)**
[25] EN
[54] **DEVICE FOR INFUSION OF FLUIDS**
[54] **DISPOSITIF POUR LA PERFUSION DE FLUIDES**
[72] CARBONE, DOMENICO CARMELO, IT
[72] RECCA, GIUSEPPE RENATO MASSIMO, IT
[72] MARAVIGNA, ARTURO, IT
[71] GAMASTECH S.R.L., IT
[85] 2018-01-29
[86] 2016-07-20 (PCT/IB2016/054301)
[87] (WO2017/025829)
[30] IT (102015000043474) 2015-08-07

---

[21] **2,994,100**
[13] A1
[51] **Int.Cl. B66C 13/08 (2006.01) B66C 13/06 (2006.01)**
[25] EN
[54] **LOAD CONTROL APPARATUS**
[54] **APPAREIL DE COMMANDE DE CHARGE**
[72] MANCHESTER, JONATHAN RALPH, GB
[71] IHC ENGINEERING BUSINESS LIMITED, GB
[85] 2018-01-29
[86] 2016-07-27 (PCT/GB2016/052304)
[87] (WO2017/017450)
[30] GB (1513483.6) 2015-07-30

---

[21] **2,994,103**
[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/70 (2006.01) A61K 31/44 (2006.01) A61K 47/12 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **TRANSDERMAL DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION TRANSDERMIQUE**
[72] WHITELOCK, STEVE, GB
[72] HARDING, DEBORAH PHYLLIS, GB
[72] JOHNSON, HELEN, GB
[72] SMITH, KEVIN, GB
[72] MUNDIN, GILL, GB
[71] EURO-CELTIQUE S.A., LU
[85] 2018-01-29
[86] 2016-07-28 (PCT/GB2016/052307)
[87] (WO2017/017452)
[30] GB (1513441.4) 2015-07-30

---

[21] **2,994,109**
[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/70 (2006.01) A61K 31/44 (2006.01) A61K 47/12 (2006.01) A61K 47/32 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **TRANSDERMAL DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION TRANSDERMIQUE**
[72] WHITELOCK, STEVE, GB
[72] HARDING, DEBORAH PHYLLIS, GB
[72] JOHNSON, HELEN, GB
[72] SMITH, KEVIN, GB
[72] MUNDIN, GILL, GB
[71] EURO-CELTIQUE S.A., LU
[85] 2018-01-29
[86] 2016-07-28 (PCT/GB2016/052308)
[87] (WO2017/017453)
[30] GB (1513442.2) 2015-07-30

---

[21] **2,994,143**
[13] A1
[51] **Int.Cl. A61K 31/451 (2006.01) A61K 31/4523 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **MUSCARINIC AGONISTS**
[54] **AGONISTES MUSCARINIQUES**
[72] BROWN, GILES ALBERT, GB
[72] CONGREVE, MILES STUART, GB
[72] PICKWORTH, MARK, GB
[72] RACKHAM, MARK DAVID, GB
[72] TEHAN, BENJAMIN GERALD, GB
[71] HEPTARES THERAPEUTICS LIMITED, GB
[85] 2018-01-29
[86] 2016-08-03 (PCT/GB2016/052384)
[87] (WO2017/021728)
[30] GB (1513740.9) 2015-08-03

---

[21] **2,994,193**
[13] A1
[51] **Int.Cl. E04B 1/26 (2006.01) E04B 1/10 (2006.01) E04F 17/08 (2006.01)**
[25] EN
[54] **PIECE DE CONNEXION**
[54] **CONNECTION PART**
[72] DELFELD, MARC, BE
[71] DELFELD, MARC, BE
[85] 2018-01-30
[86] 2016-07-29 (PCT/BE2016/000035)
[87] (WO2017/020098)
[30] BE (2015/0191) 2015-07-31

---

[21] **2,994,203**
[13] A1
[51] **Int.Cl. A61K 31/451 (2006.01) A61K 31/4523 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **MUSCARINIC AGONISTS**
[54] **AGONISTES MUSCARINIQUES**
[72] BROWN, GILES ALBERT, GB
[72] CANSFIELD, JULIE, GB
[72] PICKWORTH, MARK, GB
[72] TEHAN, BENJAMIN GERALD, GB
[72] TEOBALD, BARRY JOHN, GB
[71] HEPTARES THERAPEUTICS LIMITED, GB
[85] 2018-01-30
[86] 2016-08-03 (PCT/GB2016/052385)
[87] (WO2017/021729)
[30] GB (1513743.3) 2015-08-03

[21] **2,994,208**
[13] A1
[51] **Int.Cl. G01F 1/66 (2006.01) G01F 1/708 (2006.01) G01F 1/74 (2006.01) G01N 29/024 (2006.01) G01N 29/46 (2006.01)**
[25] EN
[54] **MULTI-PHASE FLOW-MONITORING WITH AN OPTICAL FIBER DISTRIBUTED ACOUSTIC SENSOR**
[54] **SURVEILLANCE D'ECOULEMENT POLYPHASIQUE AVEC UN CAPTEUR ACOUSTIQUE DISTRIBUE A FIBRES OPTIQUES**
[72] AMIR, MOHAMMAD, GB
[72] FARHADIROUSHAN, MAHMOUD, GB
[72] FINFER, DANIEL, GB
[72] MAHUE, VERONIQUE, GB
[72] PARKER, TOM, GB
[71] SILIXA LTD., GB
[71] CHEVRON U.S.A. INC., US
[85] 2018-01-30
[86] 2016-08-05 (PCT/GB2016/052444)
[87] (WO2017/021740)
[30] GB (1513867.0) 2015-08-05

[21] **2,994,216**
[13] A1
[51] **Int.Cl. C21C 7/10 (2006.01)**
[25] EN
[54] **PLANT AND METHOD FOR VACUUM DEGASSING LIQUID STEEL**
[54] **INSTALLATION ET PROCEDE POUR LE DEGAZAGE D'ACIER LIQUIDE SOUS VIDE**
[72] MILOCCO, MAURO, IT
[72] MAZZARINI, FEDERICO, IT
[72] TRIGATTI, FABIO, IT
[71] SMS GROUP S.P.A, IT
[85] 2018-01-30
[86] 2016-08-03 (PCT/IB2016/054667)
[87] (WO2017/021895)
[30] IT (102015000042858) 2015-08-06

[21] **2,994,217**
[13] A1
[51] **Int.Cl. C07D 209/48 (2006.01) A61K 31/4035 (2006.01)**
[25] EN
[54] **NOVEL FORMS OF APREMILAST AND THE PROCESS OF MAKING THE SAME**
[54] **NOUVELLES FORMES D'APREMILAST ET LEUR PROCEDE DE FABRICATION**
[72] FANG, HSIAO-PING, TW
[72] LO, WEI-SHUO, TW
[72] WANG, KUAN HSUN, TW
[72] LIN, YU-SHENG, TW
[72] HU, TSUNG-CHENG, TW
[72] HUANG, YUANCHANG, TW
[71] SCINOPHARM TAIWAN, LTD., TW
[85] 2018-01-30
[86] 2016-08-25 (PCT/SG2016/050413)
[87] (WO2017/039537)
[30] US (62/211,280) 2015-08-28
[30] US (62/279,147) 2016-01-15

[21] **2,994,220**
[13] A1
[51] **Int.Cl. B60G 3/01 (2006.01) B62K 5/10 (2013.01) B60G 15/06 (2006.01) F16F 9/32 (2006.01)**
[25] EN
[54] **MOTOR VEHICLE WHEEL SUSPENSION, MOTOR VEHICLE ASSEMBLY, MOTOR VEHICLE FORECARRIAGE AND MOTOR VEHICLE THEREOF**
[54] **SUSPENSION DE ROUE D'UN VEHICULE A MOTEUR, ENSEMBLE VEHICULE A MOTEUR, AVANT-TRAIN DE VEHICULE A MOTEUR ET VEHICULE A MOTEUR ASSOCIE**
[72] RAFFAELLI, ANDREA, IT
[71] PIAGGIO & C. S.P.A., IT
[85] 2018-01-30
[86] 2016-08-03 (PCT/IB2016/054683)
[87] (WO2017/021906)
[30] IT (102015000041338) 2015-08-03

[21] **2,994,230**
[13] A1
[51] **Int.Cl. H05B 3/56 (2006.01) H01B 1/02 (2006.01) H01B 3/30 (2006.01) H01B 13/012 (2006.01) H01B 13/02 (2006.01) H01B 13/22 (2006.01) H01B 13/26 (2006.01) H05B 3/00 (2006.01) H05B 3/02 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING HEATING ELEMENT, HEATING ELEMENT MANUFACTURED THEREBY, AND USE METHOD THEREOF**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT CHAUFFANT, ELEMENT CHAUFFANT AINSI FABRIQUE ET PROCEDE D'UTILISATION ASSOCIE**
[72] KIM, SE YEONG, KR
[72] KIM, DONG WOO, KR
[71] KIM, SE YEONG, KR
[71] KIM, DONG WOO, KR
[85] 2018-01-30
[86] 2016-07-08 (PCT/KR2016/007411)
[87] (WO2017/026666)
[30] KR (10-2015-0114303) 2015-08-13

[21] **2,994,246**
[13] A1
[51] **Int.Cl. B32B 7/00 (2006.01) B32B 3/14 (2006.01) B32B 3/18 (2006.01) B32B 7/12 (2006.01) B32B 21/04 (2006.01) B32B 21/13 (2006.01) B32B 21/14 (2006.01)**
[25] FR
[54] **MULTILAYER WOOD PANEL AND METHOD FOR CUTTING AND ASSEMBLING SQUARED GREEN WOOD FOR PRODUCING SUCH A PANEL**
[54] **PANNEAU DE BOIS MULTICOUCHE ET PROCEDE DE DECOUPE ET D'ASSEMBLAGE D'AVIVES DE BOIS A L'ETAT VERT POUR LA FABRICATION D'UN TEL PANNEAU**
[72] POMMIER, REGIS, FR
[72] GARBAY, GUILLAUME, FR
[72] MINDEGUIA, JEAN-CHRISTOPHE, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] BEYNEL, FR
[85] 2018-01-30
[86] 2016-07-22 (PCT/FR2016/051926)
[87] (WO2017/021619)
[30] FR (1557385) 2015-07-31

---

[21] **2,994,251**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEM AND METHOD FOR CONTROLLED AND CONTINUOUS DELIVERY OF DRUGS INTO THE BRAIN BY BYPASSING THE BLOOD BRAIN BARRIER**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT ET PROCEDE D'ADMINISTRATION CONTROLEE ET CONTINUE DE MEDICAMENTS DANS LE CERVEAU EN CONTOURNANT LA BARRIERE HEMATO-ENCEPHALIQUE**
[72] U.R, ANOOP, IN
[72] VERMA, KAVITA, IN
[71] U.R, ANOOP, IN
[71] VERMA, KAVITA, IN
[85] 2018-01-30
[86] 2016-06-29 (PCT/IB2016/053899)
[87] (WO2017/017543)
[30] IN (3904/CHE/2015) 2015-07-30
[30] IN (201641014398) 2016-04-26
[30] US (15/177,347) 2016-06-09

---

[21] **2,994,263**
[13] A1
[51] **Int.Cl. F04B 43/02 (2006.01) F04D 9/04 (2006.01)**
[25] EN
[54] **PUMP**
[54] **POMPE**
[72] BERNDSEN, JOOST ROBERT, NL
[72] BERNDSEN, MIECHIEL ANTHONY, NL
[71] ALTOP PATENTS B.V., NL
[85] 2018-01-30
[86] 2016-08-01 (PCT/NL2016/050565)
[87] (WO2017/023171)
[30] NL (2015261) 2015-08-04

---

[21] **2,994,360**
[13] A1
[51] **Int.Cl. E21B 31/00 (2006.01) E21B 19/07 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR RAISING COMPONENTS FROM A WELLBORE**
[54] **APPAREIL ET PROCEDE D'ELEVATION DE COMPOSANTS DEPUIS UN PUITS DE FORAGE**
[72] MCGARIAN, BRUCE, GB
[72] BIART, WAYNE, US
[71] MCGARIAN TDC LIMITED, GB
[85] 2018-01-31
[86] 2016-07-25 (PCT/GB2016/052269)
[87] (WO2017/021691)
[30] GB (1513566.8) 2015-07-31

---

[21] **2,994,361**
[13] A1
[51] **Int.Cl. B42C 19/00 (2006.01) B42C 9/00 (2006.01)**
[25] EN
[54] **MODULAR AND PRODUCTION SYSTEM WITH HIGH FLEXIBILITY OF USE AND OPERATION, FOR COMBINED MANUFACTURING OF CUSTOMIZED PRINTS, PAPER AND PAPERBOARD PROCESSING AND BINDING**
[54] **SYSTEME MODULAIRE ET DE PRODUCTION DOTE D'UNE GRANDE SOUPLESSE D'UTILISATION ET DE FONCTIONNEMENT, POUR COMBINER LA FABRICATION D'UNE IMPRESSION PERSONNALISEE, LA LIAISON ET LE TRAITEMENT DE PAPIER ET DE CARTON**
[72] MASTALIA, CARMINE, IT
[71] MASTALIA, CARMINE, IT
[85] 2018-01-31
[86] 2016-04-29 (PCT/IB2016/052445)
[87] (WO2017/021788)
[30] IT (102015000041934) 2015-08-04

[21] **2,994,362**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A41D 1/00 (2018.01) A61B 5/0205 (2006.01)**
[25] EN
[54] **FLEXIBLE FABRIC RIBBON CONNECTORS FOR GARMENTS WITH SENSORS AND ELECTRONICS**
[54] **CONNECTEURS SOUS FORME DE RUBANS TEXTILES FLEXIBLES POUR DES VETEMENTS AVEC DES CAPTEURS ET DES COMPOSANTS ELECTRONIQUES**
[72] LONGINOTTI-BUITONI, GIANLUIGI, LU
[72] ALIVERTI, ANDREA, LU
[72] PALLAI, FABRIZIO, LU
[71] L.I.F.E. CORPORATION S.A., LU
[85] 2018-01-31
[86] 2016-07-20 (PCT/IB2016/001146)
[87] (WO2017/013493)
[30] US (62/194,731) 2015-07-20

---

[21] **2,994,363**
[13] A1
[51] **Int.Cl. A61K 31/618 (2006.01) A01K 13/00 (2006.01) A01K 27/00 (2006.01) A61D 7/00 (2006.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/35 (2006.01) A61K 31/352 (2006.01) A61K 36/23 (2006.01) A61K 36/45 (2006.01) A61K 36/53 (2006.01) A61K 36/534 (2006.01) A61K 36/899 (2006.01) A61K 47/08 (2006.01) A61K 47/22 (2006.01) A61K 47/32 (2006.01) A61K 47/44 (2017.01) A61P 29/00 (2006.01)**
[25] FR
[54] **PAIN-KILLING COMPOSITION COMPRISING A SALICYLIC ACID DERIVATIVE**
[54] **COMPOSITION ANTIDOULEUR COMPRENANT UN DERIVE DE L'ACIDE SALICYLIQUE**
[72] CHELLE, RENE, FR
[71] AB7 INNOVATION S.A.S.U., FR
[85] 2018-01-31
[86] 2016-08-09 (PCT/FR2016/000129)
[87] (WO2017/025666)
[30] FR (1501724) 2015-08-12

---

[21] **2,994,364**
[13] A1
[51] **Int.Cl. B64G 1/64 (2006.01)**
[25] EN
[54] **PAYLOAD DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE CHARGE UTILE**
[72] FIELD, DANIEL W., US
[72] ASKIJIAN, ARMEN, US
[72] GROSSMAN, JAMES, US
[72] SMITH, ALEXANDER D., US
[71] WORLDVU SATELLITES LIMITED, US
[85] 2018-01-31
[86] 2016-06-22 (PCT/IB2016/053723)
[87] (WO2016/207817)
[30] US (14/745,527) 2015-06-22

---

[21] **2,994,366**
[13] A1
[51] **Int.Cl. A61B 5/20 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **POINT OF CARE URINE ANALYZER**
[54] **DISPOSITIF D'ANALYSE D'URINE IN SITU**
[72] ELIA, LIRON, IL
[72] IDDAN, GAVRIEL J., IL
[71] ART HEALTHCARE LTD., IL
[85] 2018-01-31
[86] 2016-08-04 (PCT/IL2016/050855)
[87] (WO2017/021971)
[30] US (62/201,118) 2015-08-05

---

[21] **2,994,372**
[13] A1
[51] **Int.Cl. H02M 7/483 (2007.01)**
[25] EN
[54] **CAPACITE VIRTUELLE**
[54] **VIRTUAL CAPACITANCE**
[72] SHINODA, KOSEI, FR
[72] BENCHAIB, ABDELKRIM, FR
[72] GUILLAUD, XAVIER, FR
[72] DAI, JING, FR
[71] SUPERGRID INSTITUTE, FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON, FR
[71] CENTRALESUPELEC, FR
[85] 2018-01-31
[86] 2016-07-29 (PCT/FR2016/051993)
[87] (WO2017/021642)
[30] FR (1557501) 2015-08-03

---

[21] **2,994,376**
[13] A1
[51] **Int.Cl. B62D 9/02 (2006.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01) B62K 5/10 (2013.01) B62K 5/08 (2006.01)**
[25] EN
[54] **FORECARRIAGE OF TILTING MOTOR VEHICLE AND MOTOR VEHICLE THEREOF**
[54] **SUSPENSION AVANT DE VEHICULE A MOTEUR**
[72] RAFFAELLI, ANDREA, IT
[71] PIAGGIO & C. S.P.A., IT
[85] 2018-01-31
[86] 2016-08-03 (PCT/IB2016/054682)
[87] (WO2017/021905)
[30] IT (102015000041334) 2015-08-03

---

[21] **2,994,388**
[13] A1
[51] **Int.Cl. D21H 27/30 (2006.01) B32B 29/00 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **FLEXIBLE MICROFIBRILLATED FILM FORMATION**
[54] **FORMATION DE FILM MICROFIBRILLE FLEXIBLE**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[72] LYYTIKAINEN, KATJA, FI
[71] STORA ENSO OYJ, FI
[85] 2018-01-31
[86] 2016-09-16 (PCT/IB2016/055522)
[87] (WO2017/046749)
[30] SE (1551196-7) 2015-09-17

---

[21] **2,994,389**
[13] A1
[51] **Int.Cl. B67D 1/12 (2006.01) B67D 1/00 (2006.01)**
[25] EN
[54] **THE PRESENT INVENTION RELATES TO A DEVICE FOR THE MIXING OF FLUIDS**
[54] **DISPOSITIF POUR LE MELANGE ET LA DISTRIBUTION DE BOISSONS**
[72] ALBERINI, VILIAM, IT
[72] ROLLI, STEFANO, IT
[71] MARCHETTI, ROBERTO, IT
[85] 2018-01-31
[86] 2016-08-03 (PCT/IB2016/054691)
[87] (WO2017/025866)
[30] IT (UB2015A003021) 2015-08-07

[21] **2,994,441**
[13] A1
[51] **Int.Cl. F04B 9/10 (2006.01) F04B 13/02 (2006.01) F04B 43/067 (2006.01)**
[25] FR
[54] **SUPERVISED PROPORTIONAL METERING DEVICE AND METHODS FOR MONITORING A METERING PUMP**
[54] **DISPOSITIF DE DOSAGE PROPORTIONNEL SUPERVISE ET PROCEDES DE SUPERVISION D'UNE POMPE DOSEUSE**
[72] LUCAS, GREGORY, FR
[72] CHARRIERE, CHRISTOPHE, FR
[71] DOSATRON INTERNATIONAL, FR
[85] 2018-01-31
[86] 2016-07-13 (PCT/IB2016/054171)
[87] (WO2017/021801)
[30] FR (15 57578) 2015-08-06

---

[21] **2,994,470**
[13] A1
[51] **Int.Cl. A01B 29/06 (2006.01) A01B 29/00 (2006.01)**
[25] EN
[54] **A ROLLER ASSEMBLY**
[54] **ENSEMBLE ROULEAU**
[72] DUFTY, RAYMOND JEFFREY, AU
[71] DUFTY, RAYMOND JEFFREY, AU
[71] RIX, DOROTHEA ISABEL MAUD, AU
[85] 2018-02-01
[86] 2016-08-08 (PCT/AU2016/095002)
[87] (WO2017/024364)
[30] AU (2015903165) 2015-08-07

---

[21] **2,994,481**
[13] A1
[51] **Int.Cl. B27M 3/00 (2006.01) B63B 3/06 (2006.01) B63B 15/00 (2006.01) E04C 2/36 (2006.01) E04C 3/18 (2006.01) E04C 3/29 (2006.01) E04H 12/04 (2006.01) F16B 7/04 (2006.01)**
[25] EN
[54] **BAR ELEMENT**
[54] **ELEMENT DE BARRE**
[72] NIEDERLANDER, JORN, DE
[71] NIEDERLANDER, JORN, DE
[85] 2018-02-01
[86] 2016-08-12 (PCT/DE2016/100360)
[87] (WO2017/028841)
[30] DE (20 2015 104 295.7) 2015-08-14

---

[21] **2,994,501**
[13] A1
[51] **Int.Cl. C12Q 1/04 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) G06F 13/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR COMPENSATING PERTURBED MEASUREMENTS**
[54] **PROCEDE ET SYSTEME DE COMPENSATION DE MESURES PERTURBEES**
[72] EMMERSON, GREGORY DANIEL, GB
[72] SMITH, PETER GEORGE ROBIN, GB
[71] STRATOPHASE LTD, GB
[85] 2018-02-01
[86] 2016-08-02 (PCT/GB2016/052373)
[87] (WO2017/021726)
[30] GB (1513799.5) 2015-08-04
[30] GB (1601853.3) 2016-02-02

---

[21] **2,994,506**
[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61P 31/04 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **DELIVERY VEHICLE**
[54] **VEHICULE D'ADMINISTRATION**
[72] LICHTENSTEIN, CONRAD PAUL, GB
[72] MIKAWA, YOSHIKAZU GI, GB
[71] NEMESIS BIOSCIENCE LTD, GB
[85] 2018-02-01
[86] 2016-08-12 (PCT/GB2016/052524)
[87] (WO2017/029485)
[30] GB (1514510.5) 2015-08-14

---

[21] **2,994,507**
[13] A1
[51] **Int.Cl. H01S 3/034 (2006.01) B65D 81/26 (2006.01) H01S 3/02 (2006.01) B01D 46/00 (2006.01) B01D 53/00 (2006.01) G02B 27/00 (2006.01) G02F 1/35 (2006.01) H01S 3/036 (2006.01) H01S 3/081 (2006.01) H01S 3/109 (2006.01) H01S 3/16 (2006.01)**
[25] EN
[54] **PURGING SYSTEM FOR A LASER SYSTEM**
[54] **SYSTEME DE PURGE POUR SYSTEME LASER**
[72] MAKER, GARETH THOMAS, GB
[72] MUNRO, SIMON, GB
[71] M SQUARED LASERS LIMITED, GB
[85] 2018-02-01
[86] 2016-08-22 (PCT/GB2016/052595)
[87] (WO2017/032994)
[30] GB (1514930.5) 2015-08-21

---

[21] **2,994,508**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **VEGETATION MANAGEMENT FOR POWER LINE CORRIDOR MONITORING USING COMPUTER VISION**
[54] **GESTION DE VEGETATION DE SURVEILLANCE DE CORRIDOR DE LIGNES ELECTRIQUES AU MOYEN D'UNE VISION PAR ORDINATEUR**
[72] PESTUN, VADIM, RU
[72] EREMINA, OLGA, RU
[72] TYULYAEVA, EKATERINA, RU
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[85] 2018-02-01
[86] 2015-08-06 (PCT/IB2015/001843)
[87] (WO2017/021751)

---

[21] **2,994,511**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **CONDITION DETECTION USING IMAGE PROCESSING**
[54] **DETECTION DE CONDITION A L'AIDE D'UN TRAITEMENT D'IMAGE**
[72] PESTUN, VADIM, RU
[72] TYULYAEVA, EKATERINA, RU
[72] EREMINA, OLGA, RU
[72] LEVASHOV, ALEXEY, RU
[72] GULDOGAN, OLCAY, FI
[72] ROTOLA-PUKKILA, JANI, FI
[72] ROSSI, TEEMU KALEVI, FI
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[85] 2018-02-01
[86] 2015-08-06 (PCT/IB2015/002615)
[87] (WO2017/021753)

[21] **2,994,512**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/444 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES D'ACIDE PYRIDIN-3-YL ACETIQUE COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] ROMINE, JEFFREY LEE, US
[72] SIVAPRAKASAM, PRASANNA, US
[72] ST. LAURENT, DENIS R., US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-01
[86] 2016-08-03 (PCT/IB2016/054688)
[87] (WO2017/025864)
[30] US (62/202,521) 2015-08-07

---

[21] **2,994,513**
[13] A1
[51] **Int.Cl. E04F 15/18 (2006.01) F24D 13/02 (2006.01)**
[25] EN
[54] **MULTILAYER INSULATING PANEL FOR THE INSTALLATION OF AN ELECTRIC HEATING SYSTEM IN SUBFLOORS OR WALLS**
[54] **PANNEAU ISOLANT MULTICOUCHE DESTINE A L'INSTALLATION D'UN SYSTEME DE CHAUFFAGE ELECTRIQUE DANS DES SOUS-PLANCHERS OU DES PAROIS**
[72] FAOTTO, UGO, IT
[71] ELEMENTS S.R.L., IT
[85] 2018-02-01
[86] 2016-07-27 (PCT/IB2016/054480)
[87] (WO2017/021821)
[30] IT (102015000041246) 2015-08-03

---

[21] **2,994,514**
[13] A1
[51] **Int.Cl. H04N 13/128 (2018.01) H04N 19/176 (2014.01) G06T 7/50 (2017.01)**
[25] EN
[54] **2D-TO-3D VIDEO FRAME CONVERSION**
[54] **CONVERSION DE TRAME VIDEO BIDIMENSIONNELLE (2D) A TRIDIMENSIONNELLE (3D)**
[72] HEFEEDA, MOHAMED M., QA
[72] CALAGARI, KIANA ALI ASGHAR, QA
[72] ELGHARIB, MOHAMED ABDELAZIZ A MOHAMED, QA
[72] MATUSIK, WOJCIECH, QA
[72] INDYK, PIOTR, QA
[72] KASPAR, ALEXANDRE, QA
[71] HEFEEDA, MOHAMED M., QA
[71] CALAGARI, KIANA ALI ASGHAR, QA
[71] ELGHARIB, MOHAMED ABDELAZIZ A MOHAMED, QA
[71] MATUSIK, WOJCIECH, QA
[71] INDYK, PIOTR, QA
[71] KASPAR, ALEXANDRE, QA
[85] 2018-02-01
[86] 2016-08-03 (PCT/GB2016/052388)
[87] (WO2017/021731)
[30] US (62/200,311) 2015-08-03

---

[21] **2,994,516**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FGF21-ASSOCIATED DISORDERS**
[54] **METHODE DE TRAITEMENT DES TROUBLES ASSOCIES AU FGF21**
[72] YOWE, DAVID LANGDON, US
[72] BOETTCHER, BRIAN, US
[72] CEBE, REGIS, CH
[72] TARASZKA, JOHN, US
[72] LI, GUOCHUN, US
[72] CAPLAN, SHARI LYNN, US
[72] XU, FANGMIN, US
[71] NOVARTIS AG, CH
[85] 2018-02-01
[86] 2016-08-02 (PCT/IB2016/054660)
[87] (WO2017/021893)
[30] US (62/200,445) 2015-08-03

---

[21] **2,994,517**
[13] A1
[51] **Int.Cl. C07D 498/22 (2006.01) A61K 31/437 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **IMIDAZOPYRIDINE MACROCYCLES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **MACROCYCLES D'IMIDAZOPYRIDINE EN TANT QU'INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] PATEL, MANOJ, US
[72] PEESE, KEVIN, US
[72] WANG, ZHONGYU, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-01
[86] 2016-08-10 (PCT/IB2016/054827)
[87] (WO2017/025913)
[30] US (62/202,973) 2015-08-10

---

[21] **2,994,518**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) C07K 16/24 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING PHOSPHORYLATED ALPHA-SYNUCLEIN**
[54] **PROCEDES DE DETECTION D'ALPHA-SYNUCLEINE PHOSPHORYLEE**
[72] BARBOUR, ROBIN, US
[72] ZIESKE, LYNN R., US
[72] HAMREN, SARAH, US
[71] PROTHENA BIOSCIENCES LIMITED, IE
[85] 2018-02-01
[86] 2016-08-25 (PCT/IB2016/055088)
[87] (WO2017/033152)
[30] US (62/209,800) 2015-08-25
[30] US (62/297,777) 2016-02-19

[21] **2,994,523**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01) A61C 13/225 (2006.01)**
[25] EN
[54] **MAGIC PIN THREADER FOR DENTAL IMPLANT CONSIDERING STRENGTHS OF TITANIUM AND BONE**
[54] **SYSTEME D'INSERTION DE BROCHE MAGIQUE POUR IMPLANT DENTAIRE TENANT COMPTE DE LA RESISTANCE DU TITANE ET DE L'OS**
[72] WANG, JE-WON, KR
[71] WANG, JE-WON, KR
[85] 2018-02-01
[86] 2016-02-22 (PCT/KR2016/001698)
[87] (WO2017/022915)
[30] KR (10-2015-0109361) 2015-08-03

---

[21] **2,994,542**
[13] A1
[51] **Int.Cl. B01J 8/36 (2006.01) B01J 8/00 (2006.01)**
[25] FR
[54] **DEVICE FOR INJECTING FLUIDS INTO THE FREE AREA OF A ROTATING FLUIDISED BED**
[54] **DISPOSITIF D'INJECTION DE FLUIDES DANS LA ZONE LIBRE D'UN LIT FLUIDIFIE ROTATIF**
[72] DE BROQUEVILLE, AXEL, BE
[71] DE BROQUEVILLE, AXEL, BE
[85] 2018-02-01
[86] 2016-08-02 (PCT/BE2016/000036)
[87] (WO2017/031556)
[30] BE (BE2015/0206) 2015-08-24

---

[21] **2,994,584**
[13] A1
[51] **Int.Cl. B67D 1/08 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **FITTING FOR A CASK HAVING AN OVERPRESSURE FUNCTION**
[54] **RACCORD MUNI D'UNE FONCTION DE SURPRESSION POUR RECIPIENTS A BOISSONS**
[72] STEINMETZ, HARALD, DE
[72] SOMMER, PHILIPP, DE
[72] WOLTER, MIRCO, DE
[71] DSI GETRANKEARMATUREN GMBH, DE
[85] 2018-02-02
[86] 2016-07-22 (PCT/DE2016/100330)
[87] (WO2017/025080)
[30] DE (10 2015 113 387.3) 2015-08-13

---

[21] **2,994,616**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COMMUNICATIONS MANAGEMENT**
[54] **APPAREIL ET PROCEDE PERMETTANT UNE GESTION DE COMMUNICATION**
[72] HUDSON, PETER NOBLE, GB
[72] EISSA, RANIA HAMDI, GB
[71] BAE SYSTEMS PLC, GB
[85] 2018-02-02
[86] 2016-08-02 (PCT/GB2016/052371)
[87] (WO2017/025713)
[30] GB (1514451.2) 2015-08-13
[30] EP (15183514.7) 2015-09-02

---

[21] **2,994,622**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/28 (2006.01) C08G 18/75 (2006.01)**
[25] FR
[54] **THICKENING AGENT FOR AQUEOUS SYSTEMS, FORMULATIONS CONTAINING SAME AND USES THEREOF**
[54] **AGENT EPAISSISSANT POUR SYSTEMES AQUEUX, FORMULATIONS LE CONTENANT ET UTILISATIONS**
[72] RUHLMANN, DENIS, FR
[72] CORFIAS ZUCCALLI, CATHERINE, FR
[72] SUAU, JEAN-MARC, FR
[72] MATTER, YVES, FR
[72] MAGNY, BENOIT, FR
[71] COATEX, FR
[85] 2018-02-02
[86] 2016-08-03 (PCT/FR2016/052022)
[87] (WO2017/021656)
[30] FR (1557551) 2015-08-05

---

[21] **2,994,627**
[13] A1
[51] **Int.Cl. A61M 25/02 (2006.01) H04R 5/033 (2006.01)**
[25] EN
[54] **GARMENT CLIP**
[54] **PINCE POUR VETEMENT**
[72] MULROONEY, CONOR, GB
[71] PHAGENESIS LIMITED, GB
[85] 2018-02-02
[86] 2016-08-03 (PCT/GB2016/052381)
[87] (WO2017/021727)
[30] GB (1513792.0) 2015-08-04

---

[21] **2,994,630**
[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61B 90/00 (2016.01) A61M 25/00 (2006.01)**
[25] EN
[54] **CATHETER**
[54] **CATHETER**
[72] MULROONEY, CONOR, GB
[72] BOOKBINDER, STEVE, GB
[71] PHAGENESIS LIMITED, GB
[85] 2018-02-02
[86] 2016-08-04 (PCT/GB2016/052390)
[87] (WO2017/021732)
[30] GB (1513797.9) 2015-08-04

---

[21] **2,994,635**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **COMBINATION TREATMENTS AND USES AND METHODS THEREOF**
[54] **POLYTHERAPIES, UTILISATIONS ET METHODES CORRESPONDANTES**
[72] HOOS, AXEL, US
[72] KAUFMAN, DAVID, US
[72] PINHEIRO, ELAINE, US
[72] STRUEMPER, HERBERT, US
[72] YANAMANDRA, NIRANJAN, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[71] MERCK SHARP & DOHME CORP., US
[85] 2018-02-02
[86] 2016-08-03 (PCT/IB2016/054692)
[87] (WO2017/021910)
[30] US (62/200,779) 2015-08-04
[30] US (62/204,555) 2015-08-13

[21] **2,994,640**
[13] A1
[51] **Int.Cl. B23B 31/11 (2006.01) B23C 5/10 (2006.01) B23C 5/26 (2006.01)**
[25] EN
[54] **REPLACEABLE CUTTING HEAD HAVING THREADED MOUNTING PORTION WITH TWO SPACED APART CONICAL ABUTMENT SURFACES PROVIDED WITH THE SAME CONE ANGLE, TOOL HOLDER AND ROTARY CUTTING TOOL**
[54] **TETE DE COUPE REMPLACABLE COMPRENANT UNE PARTIE DE MONTAGE FILETEE PRESENTANT DEUX SURFACES DE BUTEE CONIQUES ESPACEES PRESENTANT LE MEME ANGLE DE CONE, PORTE-OUTIL ET OUTIL DE COUPE ROTATIF**
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2018-02-02
[86] 2016-07-21 (PCT/IL2016/050798)
[87] (WO2017/025947)
[30] US (14/822,967) 2015-08-11

---

[21] **2,994,644**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 403/04 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **PYRAZOLE PYRIMIDINE DERIVATIVE AND USES THEREOF**
[54] **DERIVE DE PYRAZOLE PYRIMIDINE ET UTILISATIONS DE CELUI-CI**
[72] BEN NERIAH, YINON, IL
[72] BRACHYA, GUY, IL
[72] BURSTAIN, IDO, IL
[72] MINZEL, WALEED, IL
[72] SNIR-ALKALAY, IRIT, IL
[72] VACCA, JOSEPH, US
[72] LI, DANSU, US
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2018-02-02
[86] 2016-08-04 (PCT/IL2016/050852)
[87] (WO2017/021969)
[30] US (62/200,846) 2015-08-04
[30] US (62/268,750) 2015-12-17

---

[21] **2,994,660**
[13] A1
[51] **Int.Cl. E21B 43/00 (2006.01) E21B 28/00 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SONOCHEMICAL TREATMENT OF WELL AND RESERVOIR**
[54] **PROCEDE ET DISPOSITIF POUR TRAITEMENT SONOCHIMIQUE DE PUITS ET DE RESERVOIR**
[72] KAMLER, ANNA VLADIMIROVNA, RU
[72] KOPP, MANUEL, CA
[71] VENTORA TECHNOLOGIES AG, CH
[85] 2018-02-02
[86] 2015-08-06 (PCT/RU2015/000493)
[87] (WO2017/023186)

---

[21] **2,994,686**
[13] A1
[51] **Int.Cl. A01K 1/12 (2006.01) A01J 5/00 (2006.01) A01J 5/017 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MILKING A GROUP OF MILKING ANIMALS**
[54] **SYSTEME ET PROCEDE DE TRAITE D'UN TROUPEAU D'ANIMAUX LAITIERS**
[72] VAN DEN BERG, KAREL, NL
[72] VAN ADRICHEM, PAULUS JACOBUS MARIA, NL
[72] WISSE, DIK-JAN, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-02
[86] 2016-07-19 (PCT/NL2016/050536)
[87] (WO2017/034395)
[30] NL (2015337) 2015-08-24

---

[21] **2,994,688**
[13] A1
[51] **Int.Cl. C07D 271/10 (2006.01) A61K 31/4245 (2006.01) A61K 31/497 (2006.01) A61K 31/5377 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **1,3,4-OXADIAZOLE DERIVATIVE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND THE PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
[54] **COMPOSES DERIVES DE 1,3,4-OXADIAZOLE UTILISES EN TANT QU'INHIBITEUR DE L'HISTONE DESACETYLASE 6, ET COMPOSITION PHARMACEUTIQUE LES COMPRENANT**
[72] LEE, JAEKWANG, KR
[72] KIM, YUNTAE, KR
[72] LEE, CHANG SIK, KR
[72] SONG, HYESEUNG, KR
[72] GWAK, DAL-YONG, KR
[72] LEE, JAEYOUNG, KR
[72] OH, JUNG TAEK, KR
[72] LEE, CHANG GON, KR
[72] KIM, IL HYANG, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2018-02-02
[86] 2016-08-04 (PCT/KR2016/008622)
[87] (WO2017/023133)
[30] KR (10-2015-0110227) 2015-08-04

---

[21] **2,994,727**
[13] A1
[51] **Int.Cl. B65G 45/12 (2006.01)**
[25] EN
[54] **CONVEYOR BELT SCRAPER**
[54] **RACLOIR DE COURROIE TRANSPORTEUSE**
[72] CHRISTIAN, PAUL, ZA
[71] BRELKO PATENTS (PTY) LTD, ZA
[85] 2018-02-02
[86] 2016-06-14 (PCT/ZA2016/050019)
[87] (WO2017/024323)
[30] ZA (2015/05592) 2015-08-04

[21] **2,994,728**
[13] A1
[51] **Int.Cl. H01Q 1/04 (2006.01) H01Q 9/42 (2006.01) H01Q 9/44 (2006.01)**
[25] FR
[54] **SURFACE-WAVE ANTENNA, ANTENNA ARRAY AND USE OF AN ANTENNA OR AN ANTENNA ARRAY**
[54] **ANTENNE A ONDES DE SURFACE, RESEAU D'ANTENNES ET UTILISATION D'UNE ANTENNE OU D'UN RESEAU D'ANTENNES**
[72] BELLEC, MATHILDE, FR
[72] LAURENT, JEAN-YVES, FR
[72] PALUD, SEBASTIEN, FR
[72] JEZEQUEL, PIERRE-YVES, FR
[72] COLOMBEL, FRANCK, FR
[72] AVRILLON, STEPHANE, FR
[71] TDF, FR
[71] UNIVERSITE DE RENNES 1, FR
[85] 2018-02-05
[86] 2016-07-22 (PCT/FR2016/051917)
[87] (WO2017/025675)
[30] FR (1557654) 2015-08-10

---

[21] **2,994,730**
[13] A1
[51] **Int.Cl. B65G 45/12 (2006.01)**
[25] EN
[54] **BASE FOR CONVEYOR BELT SCRAPER**
[54] **BASE POUR RACLOIR DE COURROIE TRANSPORTEUSE**
[72] CHRISTIAN, PAUL, ZA
[71] BRELKO PATENTS (PTY) LTD, ZA
[85] 2018-02-02
[86] 2016-06-14 (PCT/ZA2016/050020)
[87] (WO2017/024324)
[30] ZA (2015/05594) 2015-08-04

---

[21] **2,994,734**
[13] A1
[51] **Int.Cl. B23K 11/11 (2006.01) B23K 11/30 (2006.01) B23K 11/31 (2006.01) B23K 11/36 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR THE LOW-RESISTANCE WELDING OF METAL SHEETS WITH A HIGH CYCLE RATE**
[54] **DISPOSITIF ET PROCEDE DE SOUDAGE A FAIBLE VALEUR OHMIQUE DE TOLES A UNE VITESSE DE PRODUCTION ELEVEE**
[72] WEIGL, MARKUS, DE
[71] GRENZEBACH MASCHINENBAU GMBH, DE
[85] 2018-02-05
[86] 2016-08-10 (PCT/DE2016/000313)
[87] (WO2017/028833)
[30] DE (10 2015 010 734.8) 2015-08-17

---

[21] **2,994,764**
[13] A1
[51] **Int.Cl. B23K 20/12 (2006.01) B23K 37/02 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR HOMOGENEOUSLY WELDING TWO-DIMENSIONALLY BENT STRUCTURES BY FRICTION STIR WELDING**
[54] **DISPOSITIF ET PROCEDE DE SOUDAGE HOMOGENE DE STRUCTURES CINTREES A PLAT PAR SOUDAGE PAR FRICTION-MALAXAGE**
[72] WEIGL, MARKUS, DE
[71] GRENZEBACH MASCHINENBAU GMBH, DE
[85] 2018-02-05
[86] 2016-08-10 (PCT/DE2016/000312)
[87] (WO2017/025078)
[30] DE (10 2015 010 638.4) 2015-08-13

---

[21] **2,994,776**
[13] A1
[51] **Int.Cl. E06B 9/38 (2006.01) E06B 9/36 (2006.01) E06B 9/68 (2006.01)**
[25] EN
[54] **BLIND APPARATUS**
[54] **APPAREIL STORE**
[72] WILEMAN, RICHARD, GB
[71] LOUVER-LITE LIMITED, GB
[85] 2018-02-05
[86] 2016-08-05 (PCT/GB2016/052453)
[87] (WO2017/029473)
[30] GB (1514502.2) 2015-08-14

---

[21] **2,994,777**
[13] A1
[51] **Int.Cl. H01M 10/052 (2010.01) A23L 33/185 (2016.01) A23L 33/19 (2016.01) A23P 10/00 (2016.01) B01J 13/04 (2006.01) C08J 3/12 (2006.01) A24F 47/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE DE VAPEUR ELECTRONIQUE**
[72] OTIABA, KENNY, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2018-02-05
[86] 2016-08-24 (PCT/GB2016/052624)
[87] (WO2017/033007)
[30] GB (1515087.3) 2015-08-25

---

[21] **2,994,789**
[13] A1
[51] **Int.Cl. G01V 7/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GRAVITY AND/OR GRAVITY GRADIENT TERRAIN CORRECTIONS**
[54] **SYSTEME ET PROCEDE POUR CORRECTIONS DE GRAVITE ET/OU DE TERRAIN DE GRADIENT DE GRAVITE**
[72] LI, XIONG, FR
[72] FOKS, NATHAN, FR
[71] CGG SERVICES SAS, FR
[85] 2018-02-05
[86] 2016-08-04 (PCT/IB2016/001242)
[87] (WO2017/025801)
[30] US (62/204,613) 2015-08-13

[21] **2,994,790**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/407 (2006.01) A61K 31/675 (2006.01) A61K 31/7032 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TLR4 AGONISTS AND COMPOSITIONS THEREOF AND THEIR USE IN THE TREATMENT OF CANCER**
[54] **AGONISTES DE TLR4, LEURS COMPOSITIONS ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] CLUFF, CHRISTOPHER W., US
[72] GAO, HUA-XIN, US
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2018-02-05
[86] 2016-06-03 (PCT/IB2016/053290)
[87] (WO2017/021792)
[30] US (62/201,912) 2015-08-06

---

[21] **2,994,791**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/444 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **5-(N-BENZYL TETRAHYDROISOQUINOLIN-6-YL) PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES D'ACIDE 5-(N-BENZYL TETRAHYDROISOQUINOLIN-6-YL) PYRIDIN-3-YL-ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] EASTMAN, KYLE J., US
[72] KADOW, JOHN F., US
[72] PARCELLA, KYLE E., US
[72] NAIDU, B. NARASIMHULU, US
[72] WANG, TAO, US
[72] YIN, ZHIWEI, US
[72] ZHANG, ZHONGXING, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-05
[86] 2016-08-10 (PCT/IB2016/054832)
[87] (WO2017/025917)
[30] US (62/203,791) 2015-08-11

---

[21] **2,994,796**
[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/165 (2006.01) A61K 31/341 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOUNDS FOR THE ALLEVIATION AND/OR PREVENTION OF PAIN**
[54] **METHODES ET COMPOSES D'ATTENUATION ET/OU DE PREVENTION DE LA DOULEUR**
[72] SVENSSON, CAMILLA, SE
[72] KLARESKOG, LARS, SE
[72] MALMSTROM, VIVIANNE, SE
[72] CATRINA, ANCA, SE
[71] SVENSSON, CAMILLA, SE
[71] KLARESKOG, LARS, SE
[71] MALMSTROM, VIVIANNE, SE
[71] CATRINA, ANCA, SE
[85] 2018-02-05
[86] 2016-06-30 (PCT/SE2016/050664)
[87] (WO2017/007403)
[30] US (62/188,499) 2015-07-03
[30] US (62/221,119) 2015-09-21
[30] US (62/221,134) 2015-09-21
[30] US (62/221,133) 2015-09-21
[30] US (62/221,122) 2015-09-21
[30] US (62/303,452) 2016-03-04

---

[21] **2,994,797**
[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) A61K 35/17 (2015.01) C07K 16/24 (2006.01) C07K 19/00 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS, AND T CELLS IN WHICH CHIMERIC ANTIGEN RECEPTOR IS EXPRESSED**
[54] **RECEPTEUR D'ANTIGENES CHIMERE ET LYMPHOCYTES T DANS LESQUELS LE RECEPTEUR D'ANTIGENES CHIMERE EST EXPRIME**
[72] KONG, SEOGKYOUNG, KR
[71] YOO YOUNG PHARM. CO.,LTD., KR
[85] 2018-02-05
[86] 2016-08-05 (PCT/KR2016/008632)
[87] (WO2017/023138)
[30] KR (10-2015-0110788) 2015-08-05

---

[21] **2,994,798**
[13] A1
[51] **Int.Cl. A61K 31/166 (2006.01) A61K 31/4184 (2006.01) A61K 31/47 (2006.01) A61K 39/00 (2006.01) A61P 19/02 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOUNDS FOR THE ALLEVIATION AND/OR PREVENTION OF BONE LOSS**
[54] **PROCEDES ET COMPOSES POUR LE SOULAGEMENT ET/OU LA PREVENTION DE LA PERTE OSSEUSE**
[72] CATRINA, ANCA, SE
[72] SVENSSON, CAMILLA, SE
[72] KLARESKOG, LARS, SE
[72] MALMSTROM, VIVIANNE, SE
[71] CATRINA, ANCA, SE
[71] SVENSSON, CAMILLA, SE
[71] KLARESKOG, LARS, SE
[71] MALMSTROM, VIVIANNE, SE
[85] 2018-02-05
[86] 2016-06-30 (PCT/SE2016/050673)
[87] (WO2017/007405)
[30] US (62/188,499) 2015-07-03
[30] US (62/206,872) 2015-08-19

---

[21] **2,994,896**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **EXCHANGING PHYSICAL CASH WITH AN ELECTRONIC FUNDS ACCOUNT**
[54] **ECHANGE D'ESPECES PHYSIQUES AVEC UN COMPTE A FONDS ELECTRONIQUES**
[72] DE VILLIERS, DAVID, ZA
[72] MOSHAL, MARTIN PAUL, GI
[71] GELLINER LIMITED, GB
[85] 2018-02-06
[86] 2016-08-05 (PCT/GB2016/052445)
[87] (WO2017/025728)
[30] GB (1514006.4) 2015-08-07

[21] **2,994,902**
[13] A1
[51] **Int.Cl. E21B 34/10 (2006.01)**
[25] EN
[54] **PRESSURE OPERATED APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE ACTIONNES PAR PRESSION**
[72] REID, STEPHEN, GB
[72] JAFFREY, IAN, GB
[71] WEATHERFORD U.K. LIMITED, GB
[85] 2018-02-06
[86] 2016-08-19 (PCT/GB2016/052584)
[87] (WO2017/032989)
[30] GB (1514968.5) 2015-08-23

---

[21] **2,994,903**
[13] A1
[51] **Int.Cl. G02F 1/11 (2006.01) G02F 1/33 (2006.01)**
[25] EN
[54] **ACOUSTO-OPTIC DEFLECTOR WITH LAYERED STRUCTURE AND METHOD FOR DEFLECTING AN OPTICAL BEAM WITH SUCH DEFLECTOR**
[54] **DEFLECTEUR ACOUSTO-OPTIQUE A STRUCTURE EN COUCHES ET PROCEDE POUR DEVIER UN FAISCEAU OPTIQUE AVEC UN TEL DEFLECTEUR**
[72] ROZSA, BALAZS, HU
[72] KATONA, GERGELY, HU
[72] VERESS, MATE, HU
[72] MAAK, PAL, HU
[72] SZALAY, GERGELY, HU
[71] FEMTONICS KFT, HU
[85] 2018-02-06
[86] 2016-05-31 (PCT/HU2016/050020)
[87] (WO2016/193770)
[30] HU (P1500264) 2015-06-01

---

[21] **2,994,910**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/7008 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATIONS OF AN OX40 ANTIBODY AND A TLR4 MODULATOR AND USES THEREOF**
[54] **COMBINAISONS D'UN ANTICORPS OX40 ET D'UN MODULATEUR TLR4 ET UTILISATIONS DE CELLES-CI**
[72] FRANCIS, CHRISTOPHER JOHN, US
[72] GAO, HUA-XIN, US
[72] YANAMANDRA, NIRANJAN, US
[72] LI, YUFENG, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2018-02-06
[86] 2016-06-03 (PCT/IB2016/053285)
[87] (WO2017/021791)
[30] US (62/201,828) 2015-08-06
[30] US (62/247,488) 2015-10-28
[30] US (62/300,400) 2016-02-26
[30] US (62/322,906) 2016-04-15

---

[21] **2,994,912**
[13] A1
[51] **Int.Cl. F01D 5/14 (2006.01)**
[25] FR
[54] **TURBOMACHINE ROTOR BLADE**
[54] **AUBE DE ROTOR DE TURBOMACHINE**
[72] MONTES PARRA, ROGER FELIPE, FR
[72] COJANDE, PRASAAD, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-02-06
[86] 2016-08-05 (PCT/FR2016/052043)
[87] (WO2017/025684)
[30] FR (FR 1557660) 2015-08-11

---

[21] **2,994,913**
[13] A1
[51] **Int.Cl. F25B 6/04 (2006.01) F25B 40/02 (2006.01) F25B 40/04 (2006.01)**
[25] EN
[54] **PERFECTED PORTABLE AIR CONDITIONER**
[54] **CLIMATISEUR PORTABLE PERFECTIONNE**
[72] DE' LONGHI, GIUSEPPE, IT
[72] CALLEGARO, IVANO, IT
[72] VIT, STEFANO, IT
[71] DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO, IT
[85] 2018-02-06
[86] 2016-08-05 (PCT/IB2016/054740)
[87] (WO2017/025877)
[30] IT (102015000043339) 2015-08-07

---

[21] **2,994,914**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/68 (2018.01) G01N 33/68 (2006.01)**
[25] FR
[54] **INDIVIDUAL METHOD PREDICTIVE OF THE DNA-BREAKING GENOTOXIC EFFECTS OF CHEMICAL OR BIOCHEMICAL AGENTS**
[54] **METHODE INDIVIDUELLE PREDICTIVE DES EFFETS GENOTOXIQUES D'AGENTS CHIMIQUES OU BIOCHIMIQUES, CASSANT L'ADN**
[72] FORAY, NICOLAS, FR
[72] FERLAZZO, MELANIE, FR
[72] BONZOGNI, LAURENE, FR
[72] BODGI, LARRY, FR
[72] PEREIRA, SANDRINE, FR
[71] NEOLYS DIAGNOSTICS, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] CENTRE LEON BERARD, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[85] 2018-02-06
[86] 2016-08-16 (PCT/FR2016/052083)
[87] (WO2017/029450)
[30] FR (1501745) 2015-08-19
[30] FR (1559962) 2015-10-20

[21] **2,994,916**
[13] A1
[51] **Int.Cl. A23K 50/40 (2016.01) A23L 33/00 (2016.01) A61P 3/04 (2006.01)**
[25] EN
[54] **METHODS USING MORPHOMETRIC MEASUREMENTS OF A SMALL DOG TO IMPROVE FOOD FOR THE SMALL DOG**
[54] **PROCEDES UTILISANT DES MESURES MORPHOMETRIQUES D'UN PETIT CHIEN POUR AMELIORER LA NOURRITURE POUR LE PETIT CHIEN**
[72] BOUTHEGOURD, JEAN-CHRISTOPHE, FR
[72] GORE, ASA, US
[71] NESTEC S.A., CH
[85] 2018-02-06
[86] 2016-08-05 (PCT/IB2016/054748)
[87] (WO2017/025881)
[30] US (62/203,710) 2015-08-11
[30] US (62/242,107) 2015-10-15

[21] **2,994,917**
[13] A1
[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/404 (2006.01) A61P 3/04 (2006.01) A61P 25/24 (2006.01) A61P 31/18 (2006.01) C07D 209/10 (2006.01) C07D 209/18 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 407/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **3-INDOL SUBSTITUTED DERIVATIVES, PHARMACEUTICAL COMPOSITIONS AND METHODS FOR USE**
[54] **DERIVES SUBSTITUES PAR UN 3-INDOLE, COMPOSITIONS PHARMACEUTIQUES ET LEURS PROCEDES D'UTILISATION**
[72] NINKOVIC, SACHA, US
[72] COLLINS, MICHAEL RAYMOND, US
[72] CROSIGNANI, STEFANO, BE
[72] MADERNA, ANDREAS, US
[72] MCALPINE, INDRAWAN JAMES, US
[72] SCALES, STEPHANIE ANNE, US
[72] WYTHES, MARTIN, US
[71] PFIZER INC., US
[71] ITEOS THERAPEUTICS, BE
[85] 2018-02-06
[86] 2016-08-04 (PCT/IB2016/054701)
[87] (WO2017/025868)
[30] US (62/203,032) 2015-08-10
[30] US (62/309,530) 2016-03-17

[21] **2,994,918**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **5-BROMO-2,6-DI-(1H-PYRAZOL-1-YL)PYRIMIDIN-4-AMINE FOR USE IN THE TREATMENT OF CANCER**
[54] **5-BROMO -2,6-DI- (1H-PYRAZOL-1-YL)PYRIMIDIN-4-AMINE POUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] BILIC, SANELA, US
[72] CAMACHO GOMEZ, JUAN ALBERTO, ES
[72] CAMERON, JOHN SCOTT, US
[72] CASTRO-PALOMINO LARIA, JULIO CESAR, ES
[72] HOWARD, DANNY ROLAND, JR., US
[71] NOVARTIS AG, CH
[71] PALOBIOFARMA, S.L., ES
[85] 2018-02-06
[86] 2016-08-10 (PCT/IB2016/054834)
[87] (WO2017/025918)
[30] EP (15382425.5) 2015-08-11
[30] US (62/335,984) 2016-05-13

[21] **2,995,021**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/0784 (2010.01) A61K 35/13 (2015.01) A61K 35/74 (2015.01) A61K 39/00 (2006.01)**
[25] EN
[54] **TRANSINFECTED LYMPHOCYTES FOR ANTI-TUMOR THERAPY**
[54] **LYMPHOCYTES TRANSFECTES POUR THERAPIE ANTITUMORALE**
[72] VEIGA CHACON, ESTEBAN, ES
[72] CRUZ ADALIA, ARANZAZU, ES
[72] RAMIREZ SANTIAGO, GUILLERMO, ES
[72] ALARCON SANCHEZ, BALBINO, ES
[72] SANCHEZ MADRID, FRANCISCO, ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES
[71] UNIVERSIDAD AUTONOMA DE MADRID, ES
[71] FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL DE LA PRINCESA, ES
[85] 2018-02-07
[86] 2016-08-08 (PCT/ES2016/070597)
[87] (WO2017/025657)
[30] ES (P201531177) 2015-08-07

[21] **2,995,022**
[13] A1
[51] **Int.Cl. D21C 5/00 (2006.01) D21C 5/02 (2006.01) D21H 11/14 (2006.01) D21H 21/36 (2006.01)**
[25] EN
[54] **A METHOD FOR TREATING STARCH IN PULP, PAPER AND BOARD MAKING PROCESSES**
[54] **PROCEDE DE TRAITEMENT DE L'AMIDON DANS LA PATE A PAPIER, PROCESSUS DE FABRICATION DE PAPIER ET DE CARTON**
[72] HIETANIEMI, MATTI, FI
[72] EKMAN, JAAKKO, FI
[72] KARPPI, ASKO, FI
[72] KOLARI, MARKO, FI
[71] KEMIRA OYJ, FI
[85] 2018-02-07
[86] 2016-08-26 (PCT/FI2016/050583)
[87] (WO2017/032927)
[30] FI (20155612) 2015-08-27

[21] **2,995,028**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61J 15/00 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **DEVICES FOR AND METHODS OF DIAGNOSIS AND/OR MONITORING DYSPHAGIA**
[54] **DISPOSITIFS ET METHODES POUR LE DIAGNOSTIC ET/OU LA SURVEILLANCE DE LA DYSPHAGIE**
[72] MULROONEY, CONOR, GB
[71] PHAGENESIS LIMITED, GB
[85] 2018-02-07
[86] 2016-08-04 (PCT/GB2016/052389)
[87] (WO2017/025720)
[30] GB (1513989.2) 2015-08-07
[30] GB (1521538.7) 2015-12-07

[21] **2,995,032**
[13] A1
[51] **Int.Cl. C02F 1/52 (2006.01) B01D 21/01 (2006.01)**
[25] EN
[54] **A METHOD FOR REMOVING HUMIC SUBSTANCES FROM AN AQUEOUS ALKALINE SOLUTION**
[54] **PROCEDE D'ELIMINATION DES SUBSTANCES HUMIQUES D'UNE SOLUTION ALCALINE AQUEUSE**
[72] AHLGREN, JONNI, FI
[72] HALTTUNEN, SAKARI, FI
[72] RUOTSALAINEN, JUSSI, FI
[72] LUHTALA, MARIA, FI
[72] NIEMELA, MIIA, FI
[71] KEMIRA OYJ, FI
[85] 2018-02-07
[86] 2016-08-31 (PCT/FI2016/050595)
[87] (WO2017/037340)
[30] FI (20155628) 2015-09-02

[21] **2,995,042**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4545 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61P 31/18 (2006.01) C07D 403/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 473/16 (2006.01) C07D 473/18 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **5-(N-[6,5]-FUSED BICYCLIC ARYL TETRAHYDROISOQUINOLIN-6-YL) PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES BICYCLIQUES CONDENSES D'ACIDE 5-(N- [6,5]-ARYLE TETRAHYDROISOQUINOLIN-6-YL) PYRIDIN-3-YL-ACETIQUE UTILISES EN TANT QU'INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] WANG, TAO, US
[72] YIN, ZHIWEI, US
[72] ZHANG, ZHONGXING, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-07
[86] 2016-08-10 (PCT/IB2016/054831)
[87] (WO2017/025916)
[30] US (62/203,986) 2015-08-12

[21] **2,995,045**
[13] A1
[51] **Int.Cl. A47J 43/22 (2006.01) A23L 7/10 (2016.01) A23L 7/157 (2016.01) A23P 20/12 (2016.01) A47G 19/24 (2006.01) A47J 47/04 (2006.01) B65D 85/36 (2006.01)**
[25] EN
[54] **PACKAGED WHEAT FLOUR**
[54] **FARINE CONTENUE DANS UN RECIPIENT**
[72] OMURA, MASATO, JP
[72] SAKAKIBARA, MICHIHIRO, JP
[71] NISSHIN FOODS INC., JP
[85] 2018-02-07
[86] 2015-08-07 (PCT/JP2015/072498)
[87] (WO2017/026004)

[21] **2,995,053**
[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 47/26 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING CAMPTOTHECIN POLYMER DERIVATIVE**
[54] **COMPOSITION PHARMACEUTIQUE A TENEUR EN DERIVE DE POLYMERE DE CAMPTOTHECINE**
[72] AOKI, SHIN, JP
[72] FUJITA, SHINYA, JP
[71] NIPPON KAYAKU KABUSHIKI KAISHA, JP
[85] 2018-02-07
[86] 2016-08-25 (PCT/JP2016/074762)
[87] (WO2017/038607)
[30] JP (2015-173755) 2015-09-03

[21] **2,995,064**
[13] A1
[51] **Int.Cl. A61M 16/08 (2006.01)**
[25] EN
[54] **COAXIAL AND DOUBLE LUMEN BREATHING CIRCUIT SYSTEMS HAVING A LUNG PRESSURE MEASUREMENT PORT AND CLOSED SYSTEM WATER TRAP WHICH CAN BE DRAINED WITH AN ENJECTOR**
[54] **SYSTEMES DE CIRCUIT RESPIRATOIRE COAXIAL ET A DOUBLE LUMIERE AYANT UN ORIFICE DE MESURE DE PRESSION DU POUMON ET UN PIEGE A EAU EN SYSTEME FERME QUI PEUT ETRE DRAINE PAR UN INJECTEUR**
[72] SEVINCLI, ATILLA, TR
[71] ALTERA TIBBI MALZEME SANAYI VE TICARET ANONIM SIRKETI, TR
[71] SEVINCLI, ATILLA, TR
[85] 2018-02-07
[86] 2015-08-13 (PCT/TR2015/050066)
[87] (WO2017/026951)

[21] **2,995,079**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS TO TREAT LIVER DISEASES AND CONDITIONS**
[54] **METHODES ET COMPOSITIONS POUR TRAITER DES MALADIES ET DES TROUBLES HEPATIQUES**
[72] MARTINEZ CHANTAR, MARIA LUZ, ES
[72] ANGUITA, JUAN, ES
[71] ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOCIENCIAS-CIC BIOGUNE, ES
[85] 2018-02-07
[86] 2016-08-20 (PCT/IB2016/001275)
[87] (WO2017/029556)
[30] US (62/207,456) 2015-08-20

[21] **2,995,085**
[13] A1
[51] **Int.Cl. E04B 1/26 (2006.01)**
[25] EN
[54] **CONNECTION DEVICE FOR FASTENING TWO ELEMENTS, IN PARTICULAR FOR BUILDING CONSTRUCTION**
[54] **DISPOSITIF DE RACCORDEMENT POUR ATTACHER DEUX ELEMENTS, EN PARTICULIER POUR UNE CONSTRUCTION DE BATIMENT**
[72] FEBBO, FRANCO, IT
[71] FEBBO, FRANCO, IT
[85] 2018-02-07
[86] 2016-08-06 (PCT/IB2016/054762)
[87] (WO2017/025886)
[30] IT (102015000043304) 2015-08-07

[21] **2,995,087**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4545 (2006.01) A61K 31/519 (2006.01) A61P 31/18 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 491/147 (2006.01) C07D 495/04 (2006.01) C07D 513/14 (2006.01)**
[25] EN
[54] **5-(N-FUSED TRICYCLIC ARYL TETRAHYDROISOQUINOLIN-6-YL) PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES TRICYCLIQUES CONDENSES D'ACIDE 5-(N-ARYLE TETRAHYDROISOQUINOLINE-6-YL) PYRIDIN-3-YL ACETIQUE COMME INHIBITEURS DE LA REPLICATION DU VIRUS D'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] WANG, TAO, US
[72] YIN, ZHIWEI, US
[72] ZHANG, ZHONGXING, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-07
[86] 2016-08-10 (PCT/IB2016/054829)
[87] (WO2017/025914)
[30] US (62/204,117) 2015-08-12

[21] **2,995,099**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/444 (2006.01) A61P 31/18 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES D'ACIDE PYRIDIN-3-YLE ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] EASTMAN, KYLE J., US
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] PARCELLA, KYLE E., US
[72] PATEL, MANOJ, US
[72] SIVAPRAKASAM, PRASANNA, US
[72] TU, YONG, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-07
[86] 2016-08-10 (PCT/IB2016/054830)
[87] (WO2017/025915)
[30] US (62/204,239) 2015-08-12

---

[21] **2,995,130**
[13] A1
[51] **Int.Cl. B26D 7/01 (2006.01) B23Q 39/04 (2006.01) B26D 7/06 (2006.01)**
[25] EN
[54] **METHOD AND CUTTING APPARATUS FOR CUTTING BLANK PROFILES**
[54] **METHODE ET APPAREIL DE COUPE DESTINES A COUPER DES PROFILS D'EBAUCHE**
[72] MICHAUD, STEEVE, CA
[72] LANGLOIS, BENOIT, CA
[71] MILAN CONCEPTION INC., CA
[85] 2018-02-14
[86] 2017-10-25 (PCT/IB2017/056637)
[87] (2995130)
[30] US (62/423,537) 2016-11-17

---

[21] **2,995,141**
[13] A1
[51] **Int.Cl. C30B 25/10 (2006.01) C23C 16/24 (2006.01) C23C 16/26 (2006.01) C30B 25/16 (2006.01) C30B 29/02 (2006.01) C30B 29/06 (2006.01) C30B 29/60 (2006.01)**
[25] EN
[54] **A METHOD OF PRODUCING A TWO-DIMENSIONAL MATERIAL**
[54] **PROCEDE DE PRODUCTION D'UN MATERIAU A DEUX DIMENSIONS**
[72] THOMAS, SIMON CHARLES STEWART, GB
[71] PARAGRAF LIMITED, GB
[85] 2018-02-08
[86] 2016-07-01 (PCT/GB2016/052003)
[87] (WO2017/029470)
[30] GB (1514542.8) 2015-08-14
[30] GB (1519182.8) 2015-10-30
[30] GB (1523083.2) 2015-12-30
[30] GB (1610467.1) 2016-06-15

---

[21] **2,995,150**
[13] A1
[51] **Int.Cl. B61C 3/00 (2006.01) B61C 17/06 (2006.01) H01M 2/10 (2006.01)**
[25] EN
[54] **ELECTRIC RAIL CARRIAGE**
[54] **WAGON FERROVIAIRE ELECTRIQUE**
[72] SHOOTER, ADRIAN, GB
[71] VIVARAIL LTD, GB
[85] 2018-02-08
[86] 2016-08-11 (PCT/GB2016/052494)
[87] (WO2017/025751)
[30] GB (1514204.5) 2015-08-11
[30] GB (1606757.1) 2016-04-18

---

[21] **2,995,151**
[13] A1
[51] **Int.Cl. E21B 28/00 (2006.01) E21B 7/24 (2006.01) F15B 21/12 (2006.01) F15D 1/00 (2006.01)**
[25] EN
[54] **VORTEX CONTROLLED VARIABLE FLOW RESISTANCE DEVICE AND RELATED TOOLS AND METHODS**
[54] **DISPOSITIF DE RESISTANCE A DEBIT VARIABLE REGULE PAR TOURBILLON ET OUTILS ET PROCEDES ASSOCIES**
[72] SCHULTZ, ROGER L., US
[72] FERGUSON, ANDREW M., US
[71] THRU TUBING SOLUTIONS, INC., US
[85] 2018-02-08
[86] 2016-07-26 (PCT/IB2016/054461)
[87] (WO2017/025838)
[30] US (14/823,625) 2015-08-11

---

[21] **2,995,153**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 451/06 (2006.01)**
[25] EN
[54] **BICYCLIC-FUSED HETEROARYL OR ARYL COMPOUNDS**
[54] **COMPOSES ARYLE OU HETEROARYLE CONDENSES BICYCLIQUES**
[72] CURRAN, KEVIN JOSEPH, US
[72] LOWE, MICHAEL DENNIS, US
[72] SAIAH, EDDINE, US
[72] PIERCE, BETSY SUSAN, US
[72] LEE, ARTHUR, US
[72] GAVRIN, LORI KRIM, US
[72] ANDERSON, DAVID RANDOLPH, US
[72] GOLDBERG, JOEL ADAM, US
[72] PATNY, AKSHAY, US
[72] TRZUPEK, JOHN DAVID, US
[71] PFIZER INC., US
[85] 2018-02-08
[86] 2016-07-29 (PCT/IB2016/054571)
[87] (WO2017/025849)
[30] US (62/204,521) 2015-08-13

[21] **2,995,154**
[13] A1
[51] **Int.Cl. A23K 20/142 (2016.01) A23K 40/25 (2016.01) A23L 29/00 (2016.01) A23P 30/20 (2016.01)**
[25] EN
[54] **SEMI-MOIST FOOD COMPOSITIONS THAT MAINTAIN SOFT TEXTURE**
[54] **COMPOSITIONS ALIMENTAIRES SEMI-HUMIDES QUI CONSERVENT UNE TEXTURE MOELLEUSE**
[72] PIBAROT, PATRICK, FR
[72] REYNES, PIERRE, FR
[71] NESTEC S.A., CH
[85] 2018-02-08
[86] 2016-08-05 (PCT/IB2016/054756)
[87] (WO2017/029575)
[30] US (62/205,237) 2015-08-14

[21] **2,995,162**
[13] A1
[51] **Int.Cl. C09D 163/00 (2006.01) C08G 59/14 (2006.01) C09J 163/00 (2006.01)**
[25] FR
[54] **USE OF A COMPOSITION OF LOW-VISCOSITY BIS-ANHYDROHEXITOL ETHERS AS A REACTIVE DILUENT FOR CROSSLINKABLE RESIN, ADHESIVE, COATING AND MATRIX COMPOSITIONS FOR COMPOSITES**
[54] **UTILISATION D'UNE COMPOSITION D'ETHERS DE BIS-ANHYDROHEXITOL DE FAIBLE VISCOSITE COMME DILUANT REACTIF POUR COMPOSITIONS RETICULABLES DE RESINES, D'ADHESIFS, DE REVETEMENTS ET DE MATRICES POUR COMPOSITES**
[72] BUFFE, CLOTHILDE, FR
[72] PASCAULT, JEAN-PIERRE, FR
[72] ROI MEIZOSO, LOUREIRO, ES
[72] PRENDES GONZALES, PILAR, ES
[72] PAZ ABUIN, SENEN, ES
[71] ROQUETTE FRERES, FR
[85] 2018-02-08
[86] 2016-08-08 (PCT/FR2016/052052)
[87] (WO2017/025687)
[30] FR (15 57712) 2015-08-13

[21] **2,995,164**
[13] A1
[51] **Int.Cl. B29B 11/16 (2006.01) B29C 70/22 (2006.01) B29C 70/46 (2006.01) B29C 70/48 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A RING-SHAPED FRAME**
[54] **PROCEDE DE FABRICATION D'UN CADRE DE FORME ANNULAIRE**
[72] VALEMBOIS, GUY, FR
[71] CONSEIL ET TECHNIQUE, FR
[85] 2018-02-08
[86] 2016-08-10 (PCT/FR2016/052060)
[87] (WO2017/029445)
[30] FR (1570023) 2015-08-14

[21] **2,995,314**
[13] A1
[51] **Int.Cl. C07C 67/08 (2006.01) A61K 31/23 (2006.01) C07C 69/24 (2006.01) C07C 69/533 (2006.01) C11C 3/08 (2006.01)**
[25] EN
[54] **CETYLATED FATTY ACIDS, SYSTEM FOR THE PREPARATION THEREOF AND USE THEREOF**
[54] **ACIDES GRAS CETYLES, SYSTEME UTILISE POUR LEUR PREPARATION ET UTILISATION DESDITS ACIDES GRAS CETYLES**
[72] LACORTE, ANDREA, IT
[72] TARANTINO, GERMANO, IT
[72] BONDIOLI, PAOLO, IT
[71] PHARMANUTRA S.P.A., IT
[85] 2018-02-09
[86] 2016-08-09 (PCT/IB2016/054788)
[87] (WO2017/029580)
[30] IT (102015000044822) 2015-08-14

[21] **2,995,316**
[13] A1
[51] **Int.Cl. B63B 35/34 (2006.01) H02S 20/00 (2014.01) B63B 35/58 (2006.01) B63B 38/00 (2006.01) E02B 3/06 (2006.01)**
[25] EN
[54] **FLOATING ELEMENT FOR REALIZING FLOATING STRUCTURES FOR SUPPORTING PHOTOVOLTAIC PANELS AND METHOD FOR PRODUCING SAID FLOATING ELEMENT**
[54] **ELEMENT FLOTTANT POUR REALISER DES STRUCTURES FLOTTANTES POUR SOUTENIR DES PANNEAUX PHOTOVOLTAIQUES ET PROCEDES DE PRODUCTION DUDIT ELEMENT FLOTTANT**
[72] SERAVALLI, LORIS, IT
[72] PAUSINI, SIMONE, IT
[71] NRG ENERGIA S.R.L., IT
[85] 2018-02-09
[86] 2016-08-12 (PCT/IB2016/054863)
[87] (WO2017/025932)
[30] IT (102015000044101) 2015-08-12

[21] **2,995,320**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 39/28 (2006.01) F16K 7/00 (2006.01)**
[25] EN
[54] **PINCH VALVE FOR A URINARY DRAINAGE SYSTEM**
[54] **VANNE A MANCHON POUR SYSTEME DE DRAINAGE URINAIRE**
[72] LEE, SIU MAN, GB
[71] ROYAL UNITED HOSPITALS BATH NHS FOUNDATION TRUST, GB
[85] 2018-02-09
[86] 2016-08-02 (PCT/GB2016/052376)
[87] (WO2017/025715)
[30] GB (1514322.5) 2015-08-12

---

[21] **2,995,323**
[13] A1
[51] **Int.Cl. C10L 11/04 (2006.01)**
[25] EN
[54] **FIRELIGHTER**
[54] **ALLUME-FEU**
[72] VERNON, FREDRICK MICHAEL JOSEPH, IE
[71] STANDARD BRANDS (UK) LIMITED, GB
[85] 2018-02-09
[86] 2016-08-08 (PCT/GB2016/052456)
[87] (WO2017/025733)
[30] GB (1514421.5) 2015-08-13

---

[21] **2,995,326**
[13] A1
[51] **Int.Cl. G05B 13/04 (2006.01)**
[25] FR
[54] **SYSTEM FOR CONTROLLING A CONTROLLED PARAMETER**
[54] **SYSTEME DE REGULATION D'UN PARAMETRE REGULE**
[72] DJELASSI, CEDRIK, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-01-31
[86] 2016-08-18 (PCT/FR2016/052090)
[87] (WO2017/029456)
[30] FR (1557808) 2015-08-19

---

[21] **2,995,327**
[13] A1
[51] **Int.Cl. A22C 29/02 (2006.01) B08B 3/02 (2006.01) B65G 15/12 (2006.01) B65G 43/00 (2006.01)**
[25] EN
[54] **CRAB SHELL STRIPPING APPARATUS FOR EASILY REMOVING GILLS**
[54] **APPAREIL D'EXTRACTION DE CARAPACE DE CRABE PERMETTANT UN RETRAIT AISE DES BRANCHIES**
[72] LIM, YOUNG HO, KR
[71] LIM, YOUNG HO, KR
[85] 2018-02-09
[86] 2015-10-23 (PCT/KR2015/011293)
[87] (WO2017/030235)
[30] KR (10-2015-0117553) 2015-08-20

---

[21] **2,995,331**
[13] A1
[51] **Int.Cl. C09K 21/10 (2006.01) A62D 1/06 (2006.01) C06B 23/02 (2006.01) C06D 5/06 (2006.01)**
[25] EN
[54] **GAS-PRODUCING MATERIAL**
[54] **MATERIAU PRODUCTEURS DE GAZ**
[72] ALBERTELLI, ALDINO, IE
[72] FRIEH, MICHAEL, IE
[71] ACELL INDUSTRIES LIMITED, IE
[85] 2018-02-09
[86] 2016-08-10 (PCT/GB2016/052491)
[87] (WO2017/025749)
[30] GB (1514106.2) 2015-08-10

---

[21] **2,995,333**
[13] A1
[51] **Int.Cl. C09K 21/10 (2006.01) A62D 1/06 (2006.01)**
[25] EN
[54] **FLAME RETARDANT MATRIX**
[54] **MATRICE IGNIFUGE**
[72] ALBERTELLI, ALDINO, IE
[72] FRIEH, MICHAEL, IE
[71] ACELL INDUSTRIES LIMITED, IE
[85] 2018-02-09
[86] 2016-08-10 (PCT/GB2016/052492)
[87] (WO2017/025750)
[30] GB (1514107.0) 2015-08-10

---

[21] **2,995,343**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0295 (2006.01) A61B 5/05 (2006.01) A61B 5/0408 (2006.01) A61B 5/08 (2006.01) A61B 5/113 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR NON-INVASIVE MEASUREMENT OF SUBDIAPHRAGMATIC AORTIC FLOW IN A SMALL LABORATORY MAMMAL**
[54] **DISPOSITIF ET PROCEDE DE MESURE NON-INVASIVE DU DEBIT AORTIQUE SOUS-DIAPHRAGMATIQUE CHEZ UN PETIT MAMMIFERE DE LABORATOIRE**
[72] BACONNIER, PIERRE, FR
[72] BOUCHER, FRANCOIS, FR
[72] GUMERY, PIERRE-YVES, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[85] 2018-02-09
[86] 2016-08-26 (PCT/FR2016/052130)
[87] (WO2017/037369)
[30] FR (1557992) 2015-08-28

---

[21] **2,995,345**
[13] A1
[51] **Int.Cl. C03C 17/00 (2006.01) B60J 1/00 (2006.01) B60J 1/02 (2006.01) C03C 17/42 (2006.01)**
[25] FR
[54] **TRANSPORT VEHICLE GLAZING WITH WATER REPELLENT AND ANTI-DUST COATING ASSOCIATED WITH A DETECTION DEVICE**
[54] **VITRAGE DE VEHICULE DE TRANSPORT A REVETEMENT DEPERLANT ET ANTI-POUSSIERE ASSOCIE A UN APPAREIL DE DETECTION**
[72] BRUDIEU, BARBARA, FR
[72] GUILLEMOT, FRANCOIS, FR
[72] TEISSEIRE, JEREMIE, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-02-09
[86] 2016-09-06 (PCT/FR2016/052208)
[87] (WO2017/042469)
[30] FR (1558264) 2015-09-07

---

[21] **2,995,349**
[13] A1
[51] **Int.Cl. C08K 5/3415 (2006.01) B01D 71/54 (2006.01) B01D 71/68 (2006.01) C08J 3/09 (2006.01) C08K 5/41 (2006.01) C08L 75/04 (2006.01) C08L 81/06 (2006.01) D06N 3/12 (2006.01)**
[25] FR
[54] **SOLVENT COMPOSITION COMPRISING A MIXTURE OF A MOLECULE HAVING A SULPHOXIDE FUNCTION AND A MOLECULE HAVING AN AMIDE FUNCTION**
[54] **COMPOSITION DE SOLVANT(S) COMPRENANT UN MELANGE D'UNE MOLECULE AYANT UNE FONCTION SULFOXYDE ET D'UNE MOLECULE AYANT UNE FONCTION AMIDE**
[72] SCHMITT, PAUL GUILLAUME, FR
[71] ARKEMA FRANCE, FR
[85] 2018-02-09
[86] 2016-09-15 (PCT/FR2016/052337)
[87] (WO2017/046533)
[30] FR (1558600) 2015-09-15

[21] **2,995,388**
[13] A1
[51] **Int.Cl. G01N 33/38 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING THE TEMPERATURE AND HUMIDITY OF A BUILDING**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE DETERMINER LA TEMPERATURE ET L'HUMIDITE D'UN OUVRAGE**
[72] JILG, HELMUT, AT
[72] PUCHEGGER, ALFRED, AT
[71] PUCHEGGER U. JILG PARKETT GROSS U. EINZELHANDELS GES.M.B.H., NO
[85] 2018-02-12
[86] 2016-08-11 (PCT/AT2016/060028)
[87] (WO2017/024329)
[30] AT (A 50718/2015) 2015-08-13

---

[21] **2,995,401**
[13] A1
[51] **Int.Cl. F23L 17/02 (2006.01) F23J 13/08 (2006.01) F23L 17/00 (2006.01)**
[25] EN
[54] **COMPACT SMOKE OR AIR DILUTER FOR HIGH-TEMPERATURE FLUE GAS AND CONTAMINATED AIR**
[54] **DISPOSITIF COMPACT DE DILUTION DE FUMEE OU D'AIR POUR DU GAZ DE COMBUSTION A HAUTE TEMPERATURE ET DE L'AIR CONTAMINE**
[72] BJORKLUND, MORTEN ASGER NILSSON, DK
[71] BJORKLUND, MORTEN ASGER NILSSON, DK
[85] 2018-02-12
[86] 2015-08-21 (PCT/DK2015/050247)
[87] (WO2016/026501)
[30] DK (PA 2014 00461) 2014-08-21

---

[21] **2,995,424**
[13] A1
[51] **Int.Cl. F01K 25/06 (2006.01) F01K 21/04 (2006.01) F22B 1/14 (2006.01) F22B 1/18 (2006.01)**
[25] EN
[54] **THERMODYNAMIC ENGINE**
[54] **MOTEUR THERMODYNAMIQUE**
[72] PEARCE, ALAN CHARLES, GB
[72] WINTER, NATALIE ADELE, GB
[72] FEW, SIMON, GB
[71] GAS EXPANSION MOTORS LIMITED, GB
[85] 2018-02-12
[86] 2015-08-13 (PCT/GB2015/052344)
[87] (WO2017/025700)

---

[21] **2,995,428**
[13] A1
[51] **Int.Cl. F16B 11/00 (2006.01) H02G 3/00 (2006.01)**
[25] EN
[54] **ATTACHMENT BRACKET AND SUPPORT ASSEMBLY**
[54] **ETRIER D'ATTACHEMENT ET ENSEMBLE DE SUPPORT**
[72] GALLIEN, RENE, CA
[72] DESHAIES, MARTIN, CA
[71] BOMBARDIER INC., CA
[85] 2018-02-12
[86] 2016-08-01 (PCT/IB2016/054622)
[87] (WO2017/029569)
[30] US (62/206,477) 2015-08-18

---

[21] **2,995,429**
[13] A1
[51] **Int.Cl. C12N 5/073 (2010.01) C12N 5/0775 (2010.01)**
[25] EN
[54] **STEM CELL COMPOSITIONS AND METHODS OF PRODUCING STEM CELLS FOR THERAPEUTIC APPLICATIONS**
[54] **COMPOSITIONS DE CELLULES SOUCHES ET METHODES DE PRODUCTION DE CELLULES SOUCHES POUR APPLICATIONS THERAPEUTIQUES**
[72] KERKIS, IRINA, BR
[72] GLOZMAN, SABINA, IL
[71] AVITA INTERNATIONAL LTD., VG
[85] 2018-02-12
[86] 2015-08-14 (PCT/IB2015/056215)
[87] (WO2016/024256)
[30] US (62/037,600) 2014-08-14

---

[21] **2,995,432**
[13] A1
[51] **Int.Cl. C10G 2/00 (2006.01) B01J 8/18 (2006.01)**
[25] EN
[54] **A METHOD OF OPERATING A SLURRY BUBBLE COLUMN REACTOR**
[54] **PROCEDE DE FONCTIONNEMENT D'UN REACTEUR A COLONNE DE BULLES POUR SUSPENSION EPAISSE**
[72] BOOYSEN, WILLEM ADRIAAN, NL
[72] OORTMAN, RUBEN, NL
[71] SASOL TECHNOLOGY PROPRIETARY LIMITED, ZA
[85] 2018-02-12
[86] 2016-08-10 (PCT/IB2016/054806)
[87] (WO2017/029581)
[30] ZA (2015/05974) 2015-08-19

---

[21] **2,995,433**
[13] A1
[51] **Int.Cl. C01B 32/184 (2017.01) C01B 32/182 (2017.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCTION OF GRAPHENE OR GRAPHENE-LIKE MATERIALS**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION DE GRAPHENE OU DE MATERIAUX SIMILAIRES AU GRAPHENE**
[72] MARQUES ABRANTES, VITOR EMANUEL, PT
[72] REIS FIGUEIREDO, BRUNO, PT
[72] FONSECA FERREIRA DA SILVA, RUI PEDRO, PT
[71] GRAPHENEST, S.A., PT
[85] 2018-02-12
[86] 2016-08-11 (PCT/IB2016/054848)
[87] (WO2017/025926)
[30] PT (108765) 2015-08-11

[21] **2,995,435**
[13] A1
[51] **Int.Cl. D21H 11/18 (2006.01) D21H 19/10 (2006.01) D21H 19/36 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **SURFACE SIZING OF DENSE FILMS**
[54] **COLLAGE EN SURFACE DE FILMS DENSES**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[72] SAUKKONEN, ESA, FI
[71] STORA ENSO OYJ, FI
[85] 2018-02-12
[86] 2016-09-16 (PCT/IB2016/055527)
[87] (WO2017/046751)
[30] SE (1551193-4) 2015-09-17

---

[21] **2,995,437**
[13] A1
[51] **Int.Cl. D21H 11/18 (2006.01) D21H 17/22 (2006.01) D21H 17/24 (2006.01) D21H 17/28 (2006.01) D21H 17/31 (2006.01) D21H 17/32 (2006.01) D21H 21/10 (2006.01)**
[25] EN
[54] **A METHOD TO PRODUCE A FILM COMPRISING MICROFIBRILLATED CELLULOSE AND AN AMPHOTERIC POLYMER**
[54] **PROCEDE DE PRODUCTION DE FILM COMPRENANT DE LA CELLULOSE MICROFIBRILLEE ET UN POLYMERE AMPHOTERE**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[71] STORA ENSO OYJ, FI
[85] 2018-02-12
[86] 2016-09-16 (PCT/IB2016/055531)
[87] (WO2017/046754)
[30] SE (1551195-9) 2015-09-17

---

[21] **2,995,438**
[13] A1
[51] **Int.Cl. A23G 9/38 (2006.01) A23G 9/46 (2006.01) A61K 8/64 (2006.01) A61K 38/16 (2006.01) A61K 47/42 (2017.01) C07K 14/37 (2006.01)**
[25] EN
[54] **SYNTHETIC MULTIPHASE SYSTEMS**
[54] **SYSTEMES DE SYNTHESE A PHASES MULTIPLES**
[72] MCPHEE, CAIT, GB
[72] STANLEY-WALL, NICOLA, GB
[72] BROMLEY, KEITH, GB
[72] MORRIS, RYAN, GB
[72] HOBLEY, LAURA, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[85] 2018-02-12
[86] 2015-08-18 (PCT/GB2015/052396)
[87] (WO2016/027078)
[30] GB (1414732.6) 2014-08-19
[30] GB (1511724.5) 2015-07-03

---

[21] **2,995,440**
[13] A1
[51] **Int.Cl. F03D 1/04 (2006.01)**
[25] EN
[54] **TUNNEL WIND TURBINE WITH A HORIZONTAL AXIS OF THE ROTOR ROTATION**
[54] **EOLIENNE A TUNNEL AYANT UN AXE HORIZONTAL DE LA ROTATION DU ROTOR**
[72] STASZOR, ROMAN, PL
[71] STASZOR, ROMAN, PL
[85] 2018-02-12
[86] 2016-08-24 (PCT/PL2016/000090)
[87] (WO2017/034426)
[30] PL (P.413664) 2015-08-25

---

[21] **2,995,471**
[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] FR
[54] **GLAZING INCLUDING A STACK OF THIN LAYERS**
[54] **VITRAGE COMPRENANT UN EMPILEMENT DE COUCHES MINCES**
[72] CAILLET, XAVIER, FR
[72] KHARCHENKO, ANDRIY, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-02-12
[86] 2016-09-05 (PCT/FR2016/052198)
[87] (WO2017/042463)
[30] FR (1558308) 2015-09-08

---

[21] **2,995,476**
[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] FR
[54] **GLAZING COMPRISING A FUNCTIONAL COATING**
[54] **VITRAGE COMPRENANT UN REVETEMENT FONCTIONNEL**
[72] SINGH, LAURA, FR
[72] DODET, REMY, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-02-12
[86] 2016-09-05 (PCT/FR2016/052196)
[87] (WO2017/042462)
[30] FR (1558307) 2015-09-08

---

[21] **2,995,478**
[13] A1
[51] **Int.Cl. D21H 11/18 (2006.01) B29D 7/01 (2006.01) B65D 65/46 (2006.01) C08J 5/18 (2006.01) D21H 21/20 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCING A FILM HAVING GOOD BARRIER PROPERTIES**
[54] **PROCEDE DE PRODUCTION DE FILM AYANT DE BONNES PROPRIETES DE BARRIERE**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[72] SAUKKONEN, ESA, FI
[72] RUOHONIEMI, NINA, FI
[72] LYYTIKAINEN, KATJA, FI
[71] STORA ENSO OYJ, FI
[85] 2018-02-12
[86] 2016-09-16 (PCT/IB2016/055532)
[87] (WO2017/046755)
[30] SE (1551194-2) 2015-09-17

---

[21] **2,995,508**
[13] A1
[51] **Int.Cl. A63B 43/00 (2006.01) A63B 43/02 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **A DEVICE FOR TRAINING AND REHABILITATION**
[54] **DISPOSITIF D'APPRENTISSAGE ET DE REEDUCATION**
[72] NIMRICHTR, VACLAV, CZ
[71] NIMRICHTR, VACLAV, CZ
[85] 2018-02-13
[86] 2016-08-31 (PCT/CZ2016/050032)
[87] (WO2017/036435)
[30] CZ (PUV 2015-31482) 2015-09-03

[21] **2,995,513**
[13] A1
[51] **Int.Cl. A47G 25/90 (2006.01)**
[25] EN
[54] **A PUTTING-ON AID FOR A SUPPORT STOCKING**
[54] **ENFILE-BAS DESTINE A UN BAS DE CONTENTION**
[72] HERZIG, GEORG, CH
[71] HERZIG, GEORG, CH
[85] 2018-02-13
[86] 2016-08-26 (PCT/CH2016/000111)
[87] (WO2017/031604)
[30] CH (01236/15) 2015-08-27

---

[21] **2,995,515**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MOBILE VISITOR IDENTIFICATION AND SELECTIVELY ALLOWING AUTOMATED ELEVATOR USAGE TO THE DESTINATION SELECTED BY THE TENANT**
[54] **METHODE ET SYSTEME D'IDENTIFICATION DE VISITEUR MOBILE ET D'ATTRIBUTION SELECTIVE D'UTILISATION AUTOMATISEE D'ASCENSEUR VERS LA DESTINATION SELECTIONNEE PAR LE LOCATAIRE**
[72] LAAS, MADIS, EE
[72] PAUM, PEEP, EE
[72] EELTEE, HENRIK, EE
[71] INDOOR.NINJA OU, EE
[85] 2018-02-13
[86] 2015-08-13 (PCT/EE2015/000006)
[87] (WO2017/025106)

---

[21] **2,995,551**
[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 48/16 (2009.01)**
[25] EN
[54] **REDUCING COLLISIONS BETWEEN COMMUNICATION AND DISCOVERY RESOURCES**
[54] **REDUCTION DES COLLISIONS ENTRE DES RESSOURCES DE COMMUNICATION ET DES RESSOURCES DE DECOUVERTE**
[72] BELLESCHI, MARCO, SE
[72] SORRENTINO, STEFANO, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-02-13
[86] 2016-08-08 (PCT/IB2016/054773)
[87] (WO2017/029577)
[30] US (62/205,381) 2015-08-14

---

[21] **2,995,552**
[13] A1
[51] **Int.Cl. A61K 31/616 (2006.01) A61K 9/70 (2006.01) A61K 31/70 (2006.01) A61K 47/40 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **COMPOSITION AND MEDICAL DEVICE COMPRISING ACETYLSALICYLIC ACID FOR THE TREATMENT OF HUMAN PAPILLOMA VIRUS SKIN INFECTIONS**
[54] **COMPOSITION ET DISPOSITIF MEDICAL COMPRENANT DE L'ACIDE ACETYLSALICYLIQUE POUR LE TRAITEMENT D'INFECTIONS CUTANEES PAR LE PAPILLOMAVIRUS HUMAIN**
[72] POLI, ELENA, IT
[71] POLI, ELENA, IT
[71] POLI MD S.R.L., IT
[85] 2018-02-13
[86] 2016-09-05 (PCT/IB2016/055300)
[87] (WO2017/037684)
[30] IT (102015000048609) 2015-09-04
[30] IT (102016000049308) 2016-05-13

---

[21] **2,995,553**
[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **EPICARDIAL ACCESS SYSTEM & METHODS**
[54] **SYSTEME ET PROCEDES D'ACCES EPICARDIQUE**
[72] URBANSKI, JOHN PAUL, CA
[72] MILLER, BROCK, CA
[72] ABOU-MARIE, RUND, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2018-02-13
[86] 2016-09-09 (PCT/IB2016/055404)
[87] (WO2017/042743)
[30] US (62/216,059) 2015-09-09

---

[21] **2,995,558**
[13] A1
[51] **Int.Cl. B01D 1/06 (2006.01) B01D 3/12 (2006.01) B01D 3/14 (2006.01) C11C 1/10 (2006.01) C11C 3/00 (2006.01)**
[25] EN
[54] **PROCESS FOR OBTAINING FREE FATTY ACID AND/OR FATTY ACID ESTER**
[54] **PROCEDE D'OBTENTION D'ACIDES GRAS LIBRES ET/OU D'ESTERS D'ACIDES GRAS**
[72] KRUMBHOLZ, RUDOLF, DE
[71] K.D. PHARMA BEXBACH GMBH, DE
[85] 2018-02-13
[86] 2015-07-06 (PCT/DE2015/100280)
[87] (WO2017/005235)

---

[21] **2,995,560**
[13] A1
[51] **Int.Cl. C13K 13/00 (2006.01) B01D 53/14 (2006.01) B01J 31/40 (2006.01) D21C 3/00 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF HYDROCHLORIC ACID**
[54] **PROCEDE DE RECUPERATION D'ACIDE CHLORHYDRIQUE**
[72] MCKAY, BENJAMIN, NL
[72] VAN DER WAAL, JAN CORNELIS, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[71] AVANTIUM KNOWLEDGE CENTRE B.V., NL
[85] 2018-02-13
[86] 2016-08-29 (PCT/NL2016/050600)
[87] (WO2017/039439)
[30] NL (2015374) 2015-08-31

[21] **2,995,565**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **SIGNALING OF IDC PROBLEMS**
[54] **SIGNALISATION DE PROBLEMES IDC**
[72] SUSITAIVAL, RIIKKA, FI
[72] WIEMANN, HENNING, DE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-02-13
[86] 2016-07-01 (PCT/SE2016/050679)
[87] (WO2017/030480)
[30] US (62/205,462) 2015-08-14

---

[21] **2,995,568**
[13] A1
[51] **Int.Cl. A61B 50/00 (2016.01) A61B 50/30 (2016.01)**
[25] EN
[54] **SAFETY APPARATUS FOR USE IN A MEDICAL PROCEDURE**
[54] **APPAREIL DE SECURITE DESTINE A ETRE UTILISE DANS UNE PROCEDURE MEDICALE**
[72] YOUNG, PETER JEFFREY, GB
[71] VENNER MEDICAL TECHNOLOGIES SA, GB
[71] MARIYASELVAM, MARYANNE, GB
[71] YOUNG, PETER JEFFREY, GB
[85] 2018-02-13
[86] 2016-08-16 (PCT/GB2016/052536)
[87] (WO2017/029492)
[30] GB (1514560.0) 2015-08-16
[30] GB (1522150.0) 2015-12-15
[30] GB (1522226.8) 2015-12-16

---

[21] **2,995,643**
[13] A1
[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/77 (2006.01) C01D 7/00 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **PROCESS FOR CAPTURE OF CARBON DIOXIDE AND DESALINATION**
[54] **PROCEDE DE CAPTURE DE DIOXYDE DE CARBONE ET DE DESSALEMENT**
[72] EL-NAAS, MUFTAH, AE
[71] UNITED ARAB EMIRATES UNIVERSITY, AE
[71] ABU DHABI OIL REFINING COMPANY (TAKREER), AE
[85] 2018-02-14
[86] 2016-08-18 (PCT/GB2016/052560)
[87] (WO2017/029509)
[30] US (14/829,429) 2015-08-18

---

[21] **2,995,646**
[13] A1
[51] **Int.Cl. B01J 8/22 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONTACTING GASES AND LIQUIDS**
[54] **SYSTEME DE MISE EN CONTACT DE GAZ ET DE LIQUIDES**
[72] EL-NAAS, MUFTAH, AE
[71] UNITED ARAB EMIRATES UNIVERSITY, AE
[71] ABU DHABI OIL REFINING COMPANY (TAKREER), AE
[85] 2018-02-14
[86] 2016-08-18 (PCT/GB2016/052561)
[87] (WO2017/029510)
[30] US (14/829,419) 2015-08-18

---

[21] **2,995,650**
[13] A1
[51] **Int.Cl. A61K 8/46 (2006.01) A61K 8/02 (2006.01) A61K 8/92 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **COLOURED SURFACTANT COMPOSITION**
[54] **COMPOSITION DE TENSIOACTIF COLOREE**
[72] CONSTANTINE, MARK, GB
[72] CONSTANTINE, MARGARET JOAN, GB
[72] AMBROSEN, HELEN ELIZABETH, GB
[72] BIRD, ROWENA JACQUELINE, GB
[71] COSMETIC WARRIORS LIMITED, GB
[85] 2018-02-14
[86] 2016-09-02 (PCT/GB2016/052709)
[87] (WO2017/037464)
[30] GB (1515734.0) 2015-09-04

---

[21] **2,995,655**
[13] A1
[51] **Int.Cl. B23K 26/06 (2014.01) B23K 26/352 (2014.01) B23K 26/067 (2006.01) B23K 26/073 (2006.01) B23K 26/08 (2014.01) G02B 27/09 (2006.01) H01L 21/02 (2006.01) H01S 5/40 (2006.01)**
[25] FR
[54] **LASER APPARATUS COMPRISING A PLURALITY OF LASER MODULES, EACH GENERATING ONE LINE, THE LINES OVERLAPPING WITH AN OFFSET IN THE WIDTHWISE DIRECTION**
[54] **APPAREIL LASER COMPRENANT PLUSIEURS MODULES LASER GENERANT CHACUN UNE LIGNE, LES LIGNES SE RECOUVRANT AVEC UN DECALAGE DANS LE SENS DE LA LARGEUR**
[72] DUBOST, BRICE, FR
[72] MIMOUN, EMMANUEL, FR
[72] CANOVA, LORENZO, FR
[72] DESBOEUFS, NICOLAS, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-02-14
[86] 2016-08-23 (PCT/FR2016/052104)
[87] (WO2017/032947)
[30] FR (1557907) 2015-08-25

---

[21] **2,995,656**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **TREATMENT OF RETINITIS PIGMENTOSA**
[54] **TRAITEMENT DE LA RETINITE PIGMENTAIRE**
[72] MACLAREN, ROBERT, GB
[72] FISCHER, DOMINIK, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2018-02-14
[86] 2016-09-09 (PCT/GB2016/052802)
[87] (WO2017/042584)
[30] GB (1516066.6) 2015-09-10

[21] **2,995,659**
[13] A1
[51] **Int.Cl. A61K 33/00 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **USE OF CHLORITE TO TREAT RED BLOOD CELL DISEASES AND INDICATIONS MEDIATED THEREBY**
[54] **UTILISATION DE CHLORITE POUR TRAITER DES MALADIES DES GLOBULES ROUGES ET DES INDICATIONS A MEDIATION PAR CES DERNIERS**
[72] MARAPRYGSAVAN, PAIBOON, TH
[72] KUEHNE, FRIEDRICH-WILHELM, TH
[71] OXO CHEMIE (THAILAND) CO., LTD, TH
[71] MARAPRYGSAVAN, PAIBOON, TH
[85] 2018-02-14
[86] 2016-08-22 (PCT/IB2016/055011)
[87] (WO2017/029648)
[30] US (62/207,774) 2015-08-20

---

[21] **2,995,662**
[13] A1
[51] **Int.Cl. C07D 257/04 (2006.01) A61K 31/41 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A DUAL-ACTING ANGIOTENSIN RECEPTOR-NEPRILYSIN INHIBITOR COMPOUND**
[54] **PROCEDE POUR LA PREPARATION D'UN COMPOSE A DOUBLE EFFET INHIBITEUR DE LA NEPRILYSINE-RECEPTEUR DE L'ANGIOTENSINE**
[72] PARTHASARADHI REDDY, BANDI, IN
[72] RATHINAKAR REDDY, KURA, IN
[72] VENKAT NARSIMHA REDDY, ADULLA, IN
[72] VAMSI KRISHNA, BANDI, IN
[71] HETERO LABS LTD, IN
[85] 2018-02-14
[86] 2016-08-26 (PCT/IB2016/055097)
[87] (WO2017/037591)
[30] IN (4528/che/2015) 2015-08-28

---

[21] **2,995,663**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) C07J 41/00 (2006.01) C07J 43/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR TRANS-MEMBRANE DELIVERY OF MOLECULES**
[54] **COMPOSES ET PROCEDES D'ADMINISTRATION TRANSMEMBRANAIRE DE MOLECULES**
[72] ZIV, ILAN, IL
[71] APOSENSE LTD., IL
[85] 2018-02-14
[86] 2016-08-17 (PCT/IL2016/050893)
[87] (WO2017/029664)
[30] US (14/830,799) 2015-08-20
[30] US (14/872,179) 2015-10-01
[30] US (14/985,526) 2015-12-31
[30] US (15/057,813) 2016-03-01
[30] US (15/164,344) 2016-05-25
[30] US (15/222,559) 2016-07-28

---

[21] **2,995,675**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4439 (2006.01) A61K 31/497 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **HETEROARYL COMPOUNDS AND THEIR USE AS THERAPEUTIC DRUGS**
[54] **COMPOSES HETEROARYLE ET LEUR UTILISATION COMME MEDICAMENTS THERAPEUTIQUES**
[72] KIM, MYEONG-SEOP, KR
[72] KIM, SUMIN, KR
[72] KIM, JIN KWAN, KR
[72] KIM, HADONG, KR
[72] RYU, KI MOON, KR
[72] PARK, SEONG JIN, KR
[72] PARK, TAESUN, KR
[72] SHEEN, JOON-HO, KR
[72] YOON, TAEYOUNG, KR
[72] JANG, MI YEON, KR
[71] DONG-A SOCIO HOLDINGS CO., LTD., KR
[85] 2018-02-14
[86] 2016-08-31 (PCT/KR2016/009743)
[87] (WO2017/039331)
[30] US (62/212,520) 2015-08-31

---

[21] **2,995,677**
[13] A1
[51] **Int.Cl. H04W 74/00 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **RANDOM ACCESS PROCEDURE FOR MTC OPERATION**
[54] **PROCEDURE D'ACCES ALEATOIRE POUR FONCTIONNEMENT MTC**
[72] BLANKENSHIP, YUFEI, US
[72] BERGMAN, JOHAN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-02-14
[86] 2016-08-12 (PCT/SE2016/050750)
[87] (WO2017/030485)
[30] US (62/205,352) 2015-08-14

---

[21] **2,995,775**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/17 (2015.01) A61K 39/395 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **CELL**
[54] **CELLULE**
[72] PULE, MARTIN, GB
[72] CORDOBA, SHAUN, GB
[72] RIGHI, MATTEO, GB
[72] SILLIBOURNE, JAMES, GB
[71] AUTOLUS LIMITED, GB
[85] 2018-02-15
[86] 2016-08-19 (PCT/GB2016/052563)
[87] (WO2017/029511)
[30] GB (1514874.5) 2015-08-20

---

[21] **2,995,785**
[13] A1
[51] **Int.Cl. C07K 14/46 (2006.01) A61K 38/00 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **CHIMERIC CYTOKINE RECEPTOR**
[54] **RECEPTEURS DE CYTOKINES CHIMERIQUES**
[72] PULE, MARTIN, GB
[72] CORDOBA, SHAUN, GB
[72] RIGHI, MATTEO, GB
[72] SILLIBOURNE, JAMES, GB
[72] ONUOHA, SHIMOBI, GB
[72] THOMAS, SIMON, GB
[71] AUTOLUS LIMITED, GB
[85] 2018-02-15
[86] 2016-08-19 (PCT/GB2016/052564)
[87] (WO2017/029512)
[30] GB (1514875.2) 2015-08-20

[21] **2,995,790**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4545 (2006.01) A61P 31/18 (2006.01) C07D 213/55 (2006.01) C07D 405/04 (2006.01) C07D 487/04 (2006.01) C07D 491/052 (2006.01)**
[25] EN
[54] **PYRIDIN-3-YL ACETIC ACID DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION**
[54] **DERIVES DE L'ACIDE PYRIDIN-3-YL-ACETIQUE UTILISES COMME INHIBITEURS DE LA REPLICATION DU VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] KADOW, JOHN F., US
[72] NAIDU, B. NARASIMHULU, US
[72] TU, YONG, US
[71] VIIV HEALTHCARE UK (NO.5) LIMITED, GB
[85] 2018-02-15
[86] 2016-08-18 (PCT/IB2016/054944)
[87] (WO2017/029631)
[30] US (62/207,560) 2015-08-20

---

[21] **2,995,794**
[13] A1
[51] **Int.Cl. A61K 31/65 (2006.01) A61K 9/00 (2006.01) A61K 45/06 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **TETRACYCLINE MANAGEMENT OF EGFR INHIBITOR ASSOCIATED DERMATOSES**
[54] **PRISE EN CHARGE PAR LA TETRACYCLINE DES DERMATOSES ASSOCIEES A L'INHIBITEUR DE L'EGFR**
[72] SHIRVAN, MITCHELL, IL
[72] KEYNAN, RITA, IL
[72] BERMAN, TAL, IL
[72] SCHUZ, DAVID, IL
[72] HAZOT, YOHAN, IL
[72] EINI, MEIR, IL
[71] FOAMIX PHARMACEUTICALS LTD., IL
[85] 2018-02-15
[86] 2016-08-19 (PCT/IB2016/054989)
[87] (WO2017/029647)
[30] US (62/207,712) 2015-08-20
[30] US (62/248,008) 2015-10-29
[30] US (62/345,695) 2016-06-03

---

[21] **2,995,795**
[13] A1
[51] **Int.Cl. C07K 16/08 (2006.01)**
[25] EN
[54] **POLYOMAVIRUS NEUTRALIZING ANTIBODIES**
[54] **ANTICORPS DE NEUTRALISATION DU VIRUS DU POLYOME**
[72] ABEND, JOHANNA, US
[72] DRAGIC, ZORICA, CH
[72] FEIRE, ADAM LLOYD, US
[72] KNAPP, MARK, US
[72] KOVACS, STEVEN, US
[72] TRAGGIAI, ELISABETTA, CH
[72] WANG, LICHUN, CN
[72] WANG, YONGQIANG, CN
[72] WU, DANQING, CN
[72] WU, QILONG, CN
[72] XU, FANGMIN, US
[71] NOVARTIS AG, CH
[85] 2018-02-15
[86] 2016-09-08 (PCT/IB2016/055339)
[87] (WO2017/046676)
[30] CN (PCT/CN2015/089764) 2015-09-16

---

[21] **2,995,800**
[13] A1
[51] **Int.Cl. B05B 1/28 (2006.01) B65D 83/26 (2006.01)**
[25] EN
[54] **MODIFIED SPRAY HEAD**
[54] **TETE DE PULVERISATION MODIFIEE**
[72] COLLINSON, NIKKI, GB
[72] DAS, AVIJIT, GB
[72] RUDKIN, SCOTT, GB
[72] SZKLARZ, ANNE RENEE JEANNE, GB
[72] WITTY, CHRISTOPHER, GB
[71] RECKITT BENCKISER (BRANDS) LIMITED, GB
[85] 2018-02-15
[86] 2016-09-19 (PCT/GB2016/052920)
[87] (WO2017/046618)
[30] GB (1516549.1) 2015-09-18

---

[21] **2,995,802**
[13] A1
[51] **Int.Cl. A21B 3/07 (2006.01) A21B 7/00 (2006.01)**
[25] EN
[54] **BAKE-OFF OVEN SYSTEM AND METHOD**
[54] **SYSTEME DE FOUR DE CUISSON ET PROCEDE**
[72] VAN LOON, JOHANNES JOZEPHUS GERARDUS, NL
[72] VERHOEVEN, EDWIN GERT JAN, NL
[71] LEVENS COOKING & BAKING SYSTEMS B.V., NL
[85] 2018-02-15
[86] 2016-08-17 (PCT/NL2016/050580)
[87] (WO2017/030440)
[30] NL (2015311) 2015-08-17

---

[21] **2,995,876**
[13] A1
[51] **Int.Cl. B65G 47/68 (2006.01)**
[25] FR
[54] **COMPACT ALIGNMENT OF A FLOW**
[54] **ALIGNEMENT COMPACT D'UN FLUX**
[72] BERGER, JULIEN, FR
[71] GEBO PACKAGING SOLUTIONS FRANCE, FR
[85] 2018-02-16
[86] 2016-08-11 (PCT/FR2016/052070)
[87] (WO2017/032942)
[30] FR (1557963) 2015-08-27

---

[21] **2,995,896**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/519 (2006.01) A61K 31/5386 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING TRICYCLIC HETEROCYCLIC COMPOUNDS**
[54] **COMPOSITIONS COMPRENANT DES COMPOSES HETEROCYCLIQUES**
[72] SHUTTLEWORTH, STEPHEN JOSEPH, GB
[72] BONE, ELIZABETH ANN, GB
[72] SILVA, FRANCK ALEXANDRE, GB
[72] CECIL, ALEXANDER RICHARD LIAM, GB
[71] KARUS THERAPEUTICS LTD, GB
[85] 2018-02-16
[86] 2016-08-19 (PCT/GB2016/052577)
[87] (WO2017/029518)
[30] GB (1514758.0) 2015-08-19

[21] **2,995,898**
[13] A1
[51] **Int.Cl. A61K 31/4184 (2006.01) A61K 31/519 (2006.01) A61K 31/5386 (2006.01) A61K 31/69 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING PHOSPHOINOSITIDE 3-KINASE INHIBITORS AND A SECOND ANTIPROLIFERATIVE AGENT**
[54] **COMPOSITIONS COMPRENANT DES INHIBITEURS DE LA PHOSPOINOSITIDE 3-KINASE ET UN SECOND AGENT ANTIPROLIFERATIF**
[72] SHUTTLEWORTH, STEPHEN JOSEPH, GB
[72] WHALE, ANDREW DAVID, GB
[71] KARUS THERAPEUTICS LTD, GB
[85] 2018-02-16
[86] 2016-08-19 (PCT/GB2016/052575)
[87] (WO2017/029517)
[30] GB (1514760.6) 2015-08-19

[21] **2,995,902**
[13] A1
[51] **Int.Cl. C07D 491/147 (2006.01) A61P 35/00 (2006.01) C07D 495/14 (2006.01)**
[25] EN
[54] **TRICYCLIC HETEROCYCLIC COMPOUNDS AS PHOSPHOINOSITIDE 3-KINASE INHIBITORS**
[54] **COMPOSES HETEROCYCLIQUES TRICYCLIQUES EN TANT QU'INHIBITEURS DE PHOSPHOINOSITIDE 3-KINASE**
[72] SHUTTLEWORTH, STEPHEN JOSEPH, GB
[72] SILVA, FRANCK ALEXANDRE, GB
[72] CECIL, ALEXANDER RICHARD LIAM, GB
[72] GATLAND, ALICE ELIZABETH, GB
[72] FINNEMORE, DANIEL JOHN, GB
[71] KARUS THERAPEUTICS LTD, GB
[85] 2018-02-16
[86] 2016-08-19 (PCT/GB2016/052578)
[87] (WO2017/029519)
[30] GB (1514751.5) 2015-08-19

[21] **2,995,909**
[13] A1
[51] **Int.Cl. C07D 491/147 (2006.01) A61P 35/00 (2006.01) C07D 495/14 (2006.01)**
[25] EN
[54] **TRICYCLIC HETEROCYCLIC COMPOUNDS AS PHOSPHOINOSITIDE 3-KINASE INHIBITORS**
[54] **COMPOSES HETEROCYCLIQUES TRICYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE LA PHOSPHOINOSITIDE 3-KINASE**
[72] SHUTTLEWORTH, STEPHEN JOSEPH, GB
[72] SILVA, FRANCK ALEXANDRE, GB
[72] CECIL, ALEXANDER RICHARD LIAM, GB
[72] ALEXANDER, RIKKI PETER, GB
[72] GATLAND, ALICE ELIZABETH, GB
[72] FINNEMORE, DANIEL JOHN, GB
[71] KARUS THERAPEUTICS LTD, GB
[85] 2018-02-16
[86] 2016-08-19 (PCT/GB2016/052581)
[87] (WO2017/029521)
[30] GB (1514754.9) 2015-08-19

[21] **2,995,924**
[13] A1
[51] **Int.Cl. C08K 3/38 (2006.01) C08K 5/136 (2006.01) C08K 5/378 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL AND ANTIVIRAL COMPOSITE POLYMER SURFACES**
[54] **SURFACES POLYMERES COMPOSITES ANTIMICROBIENNES ET ANTIVIRALES**
[72] IYIGUNDOGDU, ZEYNEP, TR
[72] DEMIR, OKAN, TR
[72] SAHIN, FIKRETTIN, TR
[71] YEDITEPE UNIVERSITESI, TR
[85] 2018-02-16
[86] 2016-08-16 (PCT/TR2016/050290)
[87] (WO2017/044062)
[30] TR (2015/11205) 2015-09-09

[21] **2,995,927**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/496 (2006.01) A61P 25/18 (2006.01)**
[25] EN
[54] **USE OF CANNABINOIDS IN THE TREATMENT OF MENTAL DISORDERS**
[54] **UTILISATION DE CANNABINOIDES DANS LE TRAITEMENT DE TROUBLES MENTAUX**
[72] ROBSON, PHILIP, GB
[72] GUY, GEOFFREY, GB
[72] WRIGHT, STEPHEN, GB
[72] CHEETHAM, EMMA, GB
[72] SCHILLER, DOMINIC, GB
[71] GW PHARMA LIMITED, GB
[85] 2018-02-16
[86] 2016-09-08 (PCT/GB2016/052778)
[87] (WO2017/042567)
[30] GB (1515986.6) 2015-09-09

[21] **2,995,935**
[13] A1
[51] **Int.Cl. B65D 19/34 (2006.01)**
[25] EN
[54] **PALLET MADE OF CORRUGATED PAPERBOARD**
[54] **PALETTE EN CARTON ONDULE**
[72] BERKES, MIHALY, HU
[71] BERKES, MIHALY, HU
[85] 2018-02-16
[86] 2016-09-02 (PCT/HU2016/000057)
[87] (WO2017/037483)
[30] HU (U 15 00147) 2015-09-04

[21] **2,995,991**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/00 (2006.01) A61K 31/433 (2006.01) A61K 31/4365 (2006.01) A61K 31/4402 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/497 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/5386 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING A PI3K INHIBITOR AND AN HDAC INHIBITOR**
[54] **COMPOSITIONS COMPRENANT UN INHIBITEUR DE PI3K ET UN INHIBITEUR DE HDAC**
[72] SHUTTLEWORTH, STEPHEN JOSEPH, GB
[72] WHALE, ANDREW DAVID, GB
[71] KARUS THERAPEUTICS LTD, GB
[85] 2018-02-16
[86] 2016-08-19 (PCT/GB2016/052571)
[87] (WO2017/029514)
[30] GB (1514756.4) 2015-08-19

[21] **2,996,016**
[13] A1
[51] **Int.Cl. A01G 5/02 (2006.01)**
[25] FR
[54] **STATION FOR FORMING A ROUND BOUQUET AND BOUQUET-FORMING FACILITY COMPRISING A PLURALITY OF SUCH STATIONS**
[54] **POSTE DE CONFORMATION DE BOUQUET ROND ET INSTALLATION DE CONFORMATION DE BOUQUET COMPRENANT UNE PLURALITE DE TELS POSTES**
[72] SURRIRAY, LAURENT, FR
[71] MECAFLOR, FR
[85] 2018-02-19
[86] 2016-08-03 (PCT/FR2016/052020)
[87] (WO2017/032937)
[30] FR (1557882) 2015-08-24
[30] FR (1560322) 2015-10-28

[21] **2,996,023**
[13] A1
[51] **Int.Cl. G01V 3/06 (2006.01) G01V 3/17 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DETERMINING EARTH'S NEAR-SURFACE PROPERTIES WITH ON-TIME MEASUREMENTS FROM AIRBORNE TIME-DOMAIN ELECTROMAGNETIC DATA**
[54] **APPAREIL ET PROCEDE POUR DETERMINER DES PROPRIETES PRES DE LA SURFACE DE LA TERRE AVEC DES MESURES DE TEMPS D'ACTIVITE A PARTIR DE DONNEES ELECTROMAGNETIQUES AEROPORTEES A DIMENSION TEMPORELLE**
[72] SMIAROWSKI, ADAM, FR
[72] HODGES, GREG, FR
[71] CGG SERVICES SAS, FR
[85] 2018-02-19
[86] 2016-08-31 (PCT/IB2016/001334)
[87] (WO2017/037536)
[30] US (62/213,122) 2015-09-02

[21] **2,996,024**
[13] A1
[51] **Int.Cl. B32B 37/24 (2006.01) B29C 43/48 (2006.01) B29C 70/50 (2006.01) B32B 37/00 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING FLOOR PANELS AND FLOOR PANEL FOR FORMING A FLOOR COVERING**
[54] **PROCEDE DE FABRICATION DE PANNEAUX DE PLANCHER ET PANNEAU DE PLANCHER POUR FORMER UN REVETEMENT DE PLANCHER**
[72] VAN VLASSENRODE, KRISTOF, BE
[72] BOSSUYT, FILIP, BE
[71] IVC, BVBA, BE
[85] 2018-02-19
[86] 2016-09-13 (PCT/IB2016/055434)
[87] (WO2017/046693)
[30] BE (BE2015/5572) 2015-09-14

[21] **2,996,025**
[13] A1
[51] **Int.Cl. C12P 13/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SPHINGOID BASE OR SPHINGOLIPID**
[54] **PROCEDE DE PRODUCTION D'UNE BASE SPHINGOIDE OU DE SPHINGOLIPIDE**
[72] SCHWAB, MARKUS, DE
[72] WIRDNAM, CORINA DANIELA, CH
[72] TANGE, THOMAS OESTERGAARD, CH
[72] BABAU, MAUD, DK
[72] HATSCH, ANAELLE, FR
[72] DELEGRANGE, FANNY, FR
[72] FISCHER, DAVID, CH
[72] TAVARES, SABINA DE ANDRADE PEREIRA, CH
[71] AJINOMOTO CO., INC., JP
[71] EVOLVA SA, CH
[85] 2018-02-19
[86] 2016-08-24 (PCT/JP2016/003865)
[87] (WO2017/033463)
[30] US (62/208,932) 2015-08-24
[30] JP (2015-164685) 2015-08-24

[21] **2,996,028**
[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 1/19 (2006.01) C12P 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING PHYTOSPHINGOSINE OR SPHINGANINE**
[54] **PROCEDE DE PRODUCTION DE PHYTOSPHINGOSINE OU DE SPHINGANINE**
[72] SCHWAB, MARKUS, DE
[72] BABAU, MAUD, DK
[72] FISCHER, DAVID, CH
[72] HATSCH, ANAELLE, FR
[72] TAVARES, SABINA DE ANDRADE PEREIRA, CH
[72] NIELSEN, CURT AIME FRIIS, CH
[72] KLEIN, JENS, CH
[72] WIRDNAM, CORINA DANIELA, CH
[71] AJINOMOTO CO., INC., JP
[71] EVOLVA SA, CH
[85] 2018-02-19
[86] 2016-08-24 (PCT/JP2016/003866)
[87] (WO2017/033464)
[30] US (62/208,934) 2015-08-24
[30] JP (2015-164693) 2015-08-24

[21] **2,996,056**
[13] A1
[51] **Int.Cl. B01L 9/00 (2006.01)**
[25] EN
[54] **PIPETTE-TIP-ACCOMMODATING CONTAINER AND METHOD FOR PROVIDING THE SAME**
[54] **RECIPIENT DE RECEPTION DE POINTES DE PIPETTES ET PROCEDE DE FOURNITURE CORRESPONDANT**
[72] KOFLER, GEORG, AT
[71] GREINER BIO-ONE GMBH, AT
[85] 2018-02-20
[86] 2016-08-18 (PCT/AT2016/060031)
[87] (WO2017/031514)
[30] AT (A 50732/2015) 2015-08-21

---

[21] **2,996,069**
[13] A1
[51] **Int.Cl. G01H 7/00 (2006.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR OBTAINING AT LEAST ONE ACOUSTIC PARAMETER OF AN ENVIRONMENT**
[54] **PROCEDE ET SYSTEME D'OBTENTION D'AU MOINS UN PARAMETRE ACOUSTIQUE D'UN ENVIRONNEMENT**
[72] DUBOST, BRICE, FR
[72] SAUSSET, FRANCOIS, FR
[71] SAINT-GOBAIN ISOVER, FR
[71] SAINT-GOBAIN PLACO, FR
[85] 2018-02-20
[86] 2016-08-30 (PCT/FR2016/052144)
[87] (WO2017/042451)
[30] FR (1558318) 2015-09-08

---

[21] **2,996,082**
[13] A1
[51] **Int.Cl. F16L 21/02 (2006.01) F16L 21/06 (2006.01) F16L 25/12 (2006.01) F16L 25/14 (2006.01)**
[25] EN
[54] **PIPE COUPLING INCLUDING A FOLDABLE SEAL FOR RANGE OF PIPE DIAMETERS**
[54] **RACCORD DE TUYAU A JOINT D'ETANCHEITE PLIABLE POUR UNE PLAGE DE DIAMETRES DE TUYAU**
[72] CHIPROOT, AVI, IL
[71] ELIEZER KRAUSZ INDUSTRIAL DEVELOPMENT LTD., IL
[85] 2018-02-20
[86] 2016-08-19 (PCT/IB2016/054973)
[87] (WO2017/033109)
[30] US (14/833,254) 2015-08-24

---

[21] **2,996,088**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) C07K 1/16 (2006.01)**
[25] EN
[54] **BIOPHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS BIOPHARMACEUTIQUES**
[72] MONCK, MYRNA A., US
[72] BAM, NARENDRA B., US
[72] DALLY, JENNIFER, US
[72] SPATARA, MICHELLE, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2018-02-20
[86] 2016-08-22 (PCT/IB2016/055012)
[87] (WO2017/033121)
[30] US (62/209,000) 2015-08-24
[30] US (62/240,131) 2015-10-12
[30] US (62/247,906) 2015-10-29
[30] US (62/249,497) 2015-11-02

---

[21] **2,996,089**
[13] A1
[51] **Int.Cl. F24D 13/02 (2006.01) H05B 3/36 (2006.01) B63J 2/12 (2006.01)**
[25] EN
[54] **A HEATING MODULE AND METHOD OF MANUFACTURING THEREOF**
[54] **MODULE DE CHAUFFAGE ET SON PROCEDE DE FABRICATION**
[72] FORSBOM, JAN, FI
[71] WENDA OY, FI
[85] 2018-02-20
[86] 2016-09-02 (PCT/FI2016/050611)
[87] (WO2017/042431)
[30] US (14/848,398) 2015-09-09

---

[21] **2,996,097**
[13] A1
[51] **Int.Cl. B60N 2/50 (2006.01) B60N 2/52 (2006.01) B60N 2/54 (2006.01) B63B 29/04 (2006.01)**
[25] EN
[54] **A VEHICLE SEAT SUSPENSION MECHANISM**
[54] **MECANISME DE SUSPENSION DE SIEGE DE VEHICULE**
[72] KEMP, NICHOLAS, GB
[72] DUNSFORD, MARK, GB
[71] COBRA SEATS TECHNOLOGY LTD, GB
[85] 2018-02-20
[86] 2016-08-22 (PCT/GB2016/052603)
[87] (WO2017/032997)
[30] GB (1514951.1) 2015-08-21

---

[21] **2,996,102**
[13] A1
[51] **Int.Cl. A01C 7/10 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **SEED COUNTING SENSOR AND METHOD FOR DETECTING BLOCKAGE OF A SEED CONVEYING PIPE**
[54] **CAPTEUR DE COMPTAGE DE GRAINES ET PROCEDE PERMETTANT DE DETECTER LE BLOCAGE D'UN TUYAU DE TRANSPORT DE GRAINES**
[72] KOROSI, GERGO, HU
[72] CSATARI, TAMAS, HU
[72] ERDEI, CSABA, HU
[72] SILYE, JANOS, HU
[71] DIGITROLL KFT., HU
[85] 2018-02-20
[86] 2016-08-22 (PCT/HU2016/050036)
[87] (WO2017/033034)
[30] EP (15462004.1) 2015-08-24

---

[21] **2,996,120**
[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01) A61K 35/768 (2015.01) A61K 38/19 (2006.01) A61K 38/46 (2006.01) A61K 45/06 (2006.01) C07K 14/52 (2006.01) C07K 14/565 (2006.01) C12N 9/18 (2006.01)**
[25] EN
[54] **MODIFIED ONCOLYTIC VACCINIA VIRUSES EXPRESSING A CYTOKINE AND A CARBOXYLESTERASE AND METHODS OF USE THEREOF**
[54] **VIRUS DE LA VACCINE ONCOLYTIQUES MODIFIES EXPRIMANT UNE CYTOKINE ET UNE CARBOXYESTERASE ET LEURS PROCEDES D'UTILISATION**
[72] HWANG, TAE HO, KR
[72] LEE, NAM HEE, KR
[72] CHO, EUNA, KR
[71] SILLAJEN, INC., KR
[85] 2018-02-20
[86] 2016-09-02 (PCT/KR2016/009866)
[87] (WO2017/043815)
[30] US (62/215,651) 2015-09-08

[21] **2,996,124**
[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 80/30 (2016.01)**
[25] EN
[54] **ARRANGEMENT FOR THE ICE-FREE MAINTENANCE AND DE-ICING OF A WIND TURBINE ROTOR BLADE**
[54] **ENSEMBLE DE PROTECTION CONTRE LE GEL ET DE DEGIVRAGE POUR UNE PALE DE ROTOR D'EOLIENNE**
[72] SPITZNER, JORG, DE
[71] ADIOS PATENT GMBH, DE
[85] 2018-02-20
[86] 2016-08-15 (PCT/DE2016/100364)
[87] (WO2017/028843)
[30] DE (10 2015 113 763.1) 2015-08-19

---

[21] **2,996,227**
[13] A1
[51] **Int.Cl. H01R 9/03 (2006.01) H01R 43/20 (2006.01) H01R 24/40 (2011.01) H01R 13/56 (2006.01)**
[25] EN
[54] **CABLE CONNECTOR HAVING A SHIELDING SLEEVE AND METHOD FOR PRODUCING THE SAME**
[54] **CONNECTEUR DE CABLE ENFICHABLE COMPRENANT UNE DOUILLE DE BLINDAGE ET SON PROCEDE DE FABRICATION**
[72] HENZLER, MAGNUS, DE
[71] ERNI PRODUCTION GMBH & CO. KG, DE
[85] 2018-02-21
[86] 2016-08-17 (PCT/DE2016/100370)
[87] (WO2017/032359)
[30] DE (10 2015 114 040.3) 2015-08-24

---

[21] **2,996,228**
[13] A1
[51] **Int.Cl. E21B 34/04 (2006.01) E21B 34/00 (2006.01) F16K 5/06 (2006.01)**
[25] EN
[54] **VALVE**
[54] **CLAPET**
[72] COWIE, GAVIN DAVID, GB
[72] SANGSTER, JOHN DAVID, GB
[71] INTERVENTEK SUBSEA ENGINEERING LIMITED, GB
[85] 2018-02-21
[86] 2016-07-29 (PCT/GB2016/052353)
[87] (WO2017/032971)
[30] GB (1515117.8) 2015-08-25

---

[21] **2,996,233**
[13] A1
[51] **Int.Cl. C07D 491/16 (2006.01) A61K 31/4745 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 491/22 (2006.01)**
[25] EN
[54] **CONDENSED TRICYCLIC COMPOUNDS AS PROTEIN KINASE INHIBITORS**
[54] **COMPOSES TRICYCLIQUES CONDENSES A TITRE D'INHIBITEURS DE PROTEINES KINASES**
[72] PASTOR FERNANDEZ, JOAQUIN, ES
[72] MARTINEZ GONZALEZ, SONIA, ES
[72] BLANCO-APARICIO, CARMEN, ES
[72] HERNANDEZ HIGUERAS, ANA ISABEL, ES
[72] GOMEZ DE LA OLIVA, CRISTINA ANA, ES
[72] RIVERO BUCETA, VIRGINIA, ES
[72] RIESCO FAGUNDO, ROSARIO CONCEPCION, ES
[71] FUNDACION DEL SECTOR PUBLICO ESTATAL CENTRO NACIONAL DE INVESTIGACIONES ONCOLOGICAS CARLOS III (F.S.P. CNIO), ES
[85] 2018-02-21
[86] 2016-08-25 (PCT/GB2016/052641)
[87] (WO2017/033019)
[30] EP (15382431.3) 2015-08-26

---

[21] **2,996,246**
[13] A1
[51] **Int.Cl. A61F 5/058 (2006.01)**
[25] EN
[54] **CRANIAL REMOULDING ORTHOSIS AND METHOD OF MANUFACTURE THEREOF**
[54] **ORTHESE DE REMODELAGE CRANIEN ET SON PROCEDE DE FABRICATION**
[72] MOTTRAM, STEPHEN, GB
[72] ROSICKY, JIRI, CZ
[71] TECHNOLOGY IN MOTION LTD, GB
[71] ING CORPORATION SPOL. S.R.O, CZ
[85] 2018-02-21
[86] 2016-09-06 (PCT/GB2016/052744)
[87] (WO2017/042550)
[30] GB (1515877.7) 2015-09-08

---

[21] **2,996,252**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/04 (2006.01)**
[25] EN
[54] **NEUROMODULATION DEVICE**
[54] **DISPOSITIF DE NEUROMODULATION**
[72] CARR, MICHAEL JOHN, US
[72] HUNSBERGER, GERALD E., US
[72] KWONG, KEVIN K., US
[71] GALVANI BIOELECTRONICS LIMITED, GB
[85] 2018-02-21
[86] 2016-08-18 (PCT/IB2016/054957)
[87] (WO2017/033101)
[30] US (62/208,057) 2015-08-21

---

[21] **2,996,253**
[13] A1
[51] **Int.Cl. B02C 2/04 (2006.01)**
[25] EN
[54] **ECCENTRIC ASSEMBLY FOR GYRATORY OR CONE CRUSHER**
[54] **ENSEMBLE EXCENTRIQUE POUR BROYEUR GIRATOIRE OU A CONE**
[72] NIKLEWSKI, ANDRZEJ, BR
[72] BARSCEVICIUS, PAULO, BR
[71] METSO MINERALS INDUSTRIES, INC., US
[85] 2018-02-21
[86] 2016-08-19 (PCT/IB2016/054964)
[87] (WO2017/033103)
[30] EP (15182030.5) 2015-08-21

---

[21] **2,996,254**
[13] A1
[51] **Int.Cl. B02C 2/04 (2006.01) B02C 2/06 (2006.01)**
[25] EN
[54] **CRUSHER DEVICE COMPRISING AN OVERLOAD SAFETY DEVICE**
[54] **DISPOSITIF DE BROYEUR COMPRENANT UN DISPOSITIF DE SECURITE CONTRE LES SURCHARGES**
[72] NIKLEWSKI, ANDRZEJ, BR
[72] BARSCEVICIUS, PAULO, BR
[71] METSO MINERALS INDUSTRIES, INC., US
[85] 2018-02-21
[86] 2016-08-19 (PCT/IB2016/054966)
[87] (WO2017/033104)
[30] EP (15182028.9) 2015-08-21

[21] **2,996,255**
[13] A1
[51] **Int.Cl. B02C 2/04 (2006.01)**
[25] EN
[54] **ANTI-SPIN DUST SEAL FOR CONE AND GYRATORY CRUSHERS**
[54] **JOINT D'ETANCHEITE VIS-A-VIS DE LA POUSSIERE ANTI-ROTATION POUR CONCASSEUR A CONE ET CONCASSEUR GIRATOIRE**
[72] NIKLEWSKI, ANDRZEJ, BR
[72] BARSCEVICIUS, PAULO, BR
[71] METSO MINERALS INDUSTRIES, INC., US
[85] 2018-02-21
[86] 2016-08-19 (PCT/IB2016/054968)
[87] (WO2017/033106)
[30] EP (15182027.1) 2015-08-21

---

[21] **2,996,256**
[13] A1
[51] **Int.Cl. E04B 1/26 (2006.01) E04B 7/02 (2006.01) F16B 15/00 (2006.01) E04C 3/02 (2006.01)**
[25] EN
[54] **HANGER FOR BRACING PANEL**
[54] **DISPOSITIF DE SUSPENSION POUR PANNEAU DE RENFORT**
[72] WERT, DAVID C., US
[72] GANNON, GARY, US
[72] O'REGAN, PHILIP, US
[72] SORRILL, LEVI, US
[72] GALINSKI, JOHN, US
[71] MITEK HOLDINGS, INC., US
[85] 2018-02-21
[86] 2016-08-22 (PCT/IB2016/055008)
[87] (WO2017/033120)
[30] US (14/832,176) 2015-08-21

---

[21] **2,996,258**
[13] A1
[51] **Int.Cl. C07D 257/02 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PREPARATION OF XYLENE LINKED CYCLAM COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES DE CYCLAME LIES AU XYLENE**
[72] SINGH, HEMANT KUMAR, IN
[72] KUMAR, SANDEEP, IN
[72] SONAVANE, GHANASHYAM MADHUKAR, IN
[72] HANDA, VISHAL, IN
[72] GUPTA, CHANDAN KUMAR, IN
[72] SANGHANI, SUNIL, IN
[72] SIVAIAH, POTRU, IN
[72] LAHIRI, SASWATA, IN
[72] CABRI, WALTER, IN
[72] GUPTA, NITIN, IN
[71] FRESENIUS KABI ONCOLOGY LTD., IN
[85] 2018-02-21
[86] 2016-09-01 (PCT/IB2016/055215)
[87] (WO2017/037639)
[30] IN (2758/DEL/2015) 2015-09-02

---

[21] **2,996,259**
[13] A1
[51] **Int.Cl. G05B 19/401 (2006.01) B26D 5/00 (2006.01) B27B 1/00 (2006.01)**
[25] EN
[54] **METHOD OF OPTIMIZATION OF CUTTING OF FLAT PRODUCTS MADE OF NATURAL MATERIAL, MAINLY OF WOOD, AND SYSTEM FOR ITS REALIZATION**
[54] **PROCEDE D'OPTIMISATION DE COUPE DE PRODUITS PLATS COMPOSES DE MATIERE NATURELLE, PRINCIPALEMENT DE BOIS, ET SYSTEME POUR SA REALISATION**
[72] SCHMERINGA, PETER, SK
[71] BIATEC LASER TECHNOLOGY S. R. O., SK
[85] 2018-02-21
[86] 2016-08-25 (PCT/IB2016/055080)
[87] (WO2017/033148)
[30] SK (PP 50044-2015) 2015-08-25

---

[21] **2,996,261**
[13] A1
[51] **Int.Cl. A01K 1/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MILKING A GROUP OF DAIRY ANIMALS**
[54] **SYSTEME ET PROCEDE DE TRAITE D'UN GROUPE D'ANIMAUX LAITIERS**
[72] VAN DEN BERG, KAREL, NL
[72] VAN ADRICHEM, PAULUS JACOBUS MARIA, NL
[72] WISSE, DIK-JAN, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-21
[86] 2016-07-19 (PCT/NL2016/050533)
[87] (WO2017/034392)
[30] NL (2015334) 2015-08-24

---

[21] **2,996,262**
[13] A1
[51] **Int.Cl. A01K 1/06 (2006.01) A01K 1/12 (2006.01) A01K 7/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR MILKING A GROUP OF DAIRY ANIMALS**
[54] **SYSTEME DE TRAITE D'UN GROUPE D'ANIMAUX LAITIERS**
[72] VAN DEN BERG, KAREL, NL
[72] VAN ADRICHEM, PAULUS JACOBUS MARIA, NL
[72] WISSE, DIK-JAN, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-21
[86] 2016-07-19 (PCT/NL2016/050534)
[87] (WO2017/034393)
[30] NL (2015335) 2015-08-24

[21] **2,996,263**
[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4427 (2006.01) A61K 31/506 (2006.01) A61P 29/00 (2006.01) C07D 405/12 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **SULFONAMIDE COMPOUNDS AS VOLTAGE-GATED SODIUM CHANNEL MODULATORS**
[54] **COMPOSES DE SULFONAMIDE A TITRE DE MODULATEURS DES CANAUX SODIQUES VOLTAGE-DEPENDANTS**
[72] RAMDAS, VIDYA, IN
[72] LORIYA, RAJESHKUMAR MAGANLAL, IN
[72] BANERJEE, MOLOY, IN
[72] PATIL, PRADEEP RANGRAO, IN
[72] JOSHI, ADVAIT ARUN, IN
[72] DATRANGE, LAXMIKANT SHAMLAL, IN
[72] WALKE, DEEPAK SAHEBRAO, IN
[72] KHAN, TALHA HUSSAIN, IN
[72] DAS, AMIT KUMAR, IN
[72] GOTE, GANESH NAVINCHANDRA, IN
[72] KALHAPURE, VAIBHAV MADHUKAR, IN
[72] PALLE, VENKATA P., IN
[72] KAMBOJ, RAJENDER KUMAR, IN
[71] LUPIN LIMITED, IN
[85] 2018-02-21
[86] 2016-09-03 (PCT/IB2016/055291)
[87] (WO2017/037682)
[30] IN (3420/MUM/2015) 2015-09-04
[30] IN (201621011342) 2016-03-31

---

[21] **2,996,264**
[13] A1
[51] **Int.Cl. A01K 1/06 (2006.01) A01K 1/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MILKING A GROUP OF MILKING ANIMALS**
[54] **SYSTEME ET PROCEDE POUR LA TRAITE D'UN GROUPE D'ANIMAUX LAITIERS**
[72] VAN DEN BERG, KAREL, NL
[72] VAN ADRICHEM, PAULUS JACOBUS MARIA, NL
[72] WISSE, DIK-JAN, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-21
[86] 2016-07-19 (PCT/NL2016/050535)
[87] (WO2017/034394)
[30] NL (2015336) 2015-08-24

---

[21] **2,996,265**
[13] A1
[51] **Int.Cl. A01K 1/12 (2006.01) A01J 5/00 (2006.01) A01J 5/017 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MILKING A GROUP OF MILKING ANIMALS**
[54] **SYSTEME ET PROCEDE DE TRAITE D'UN GROUPE D'ANIMAUX LAITIERS**
[72] VAN DEN BERG, KAREL, NL
[72] VAN ADRICHEM, PAULUS JACOBUS MARIA, NL
[72] WISSE, DIK-JAN, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-21
[86] 2016-07-19 (PCT/NL2016/050537)
[87] (WO2017/034396)
[30] NL (2015338) 2015-08-24

---

[21] **2,996,266**
[13] A1
[51] **Int.Cl. A01J 5/017 (2006.01)**
[25] EN
[54] **MILKING ROBOT WITH CYLINDER SYSTEM**
[54] **ROBOT DE TRAITE AVEC DISPOSITIF DE CYLINDRE**
[72] KRAAIJ, DIRK, NL
[72] MOSTERT, GERARD, NL
[72] BREVET, MICHIEL, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-21
[86] 2016-08-02 (PCT/NL2016/050566)
[87] (WO2017/034398)
[30] NL (2015356) 2015-08-27

---

[21] **2,996,268**
[13] A1
[51] **Int.Cl. A21D 2/00 (2006.01) A21D 13/00 (2017.01)**
[25] EN
[54] **NOVEL FOOD PRODUCT AND METHOD OF USE**
[54] **PRODUIT ALIMENTAIRE INNOVANT ET PROCEDE D'UTILISATION**
[72] JOHNSON, PETER STUART, NZ
[72] LEE, SUNG JE, NZ
[72] ALTALHI, ARWA SALEH D, NZ
[71] JOHNSON, PETER STUART, NZ
[85] 2018-02-21
[86] 2015-08-27 (PCT/NZ2015/050122)
[87] (WO2016/032346)
[30] NZ (629773) 2014-08-29

---

[21] **2,996,273**
[13] A1
[51] **Int.Cl. B65D 5/42 (2006.01) B65D 65/40 (2006.01)**
[25] EN
[54] **VENTILATION BOARDS AND METHODS FOR MANUFACTURING VENTILATION BOARD**
[54] **PANNEAUX DE VENTILATION ET PROCEDES DE FABRICATION DE PANNEAUX DE VENTILATION**
[72] MEHTA, VINAY K., IN
[71] MEHTA, VINAY K., IN
[85] 2018-02-21
[86] 2016-08-24 (PCT/IN2016/050282)
[87] (WO2017/033210)
[30] IN (3222/MUM/2015) 2015-08-24

---

[21] **2,996,291**
[13] A1
[51] **Int.Cl. B32B 27/32 (2006.01) B32B 1/08 (2006.01) B32B 25/14 (2006.01)**
[25] EN
[54] **MULTILAYER FILMS AND METHODS THEREOF**
[54] **FILMS MULTICOUCHES ET PROCEDES ASSOCIES**
[72] LEE, JONG YOUNG, US
[72] KARJALA, TERESA P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2018-02-21
[86] 2016-08-10 (PCT/US2016/046248)
[87] (WO2017/039986)
[30] US (62/212,161) 2015-08-31

---

[21] **2,996,368**
[13] A1
[51] **Int.Cl. G09F 3/20 (2006.01) H01R 12/78 (2011.01) H01R 25/14 (2006.01)**
[25] EN
[54] **CONNECTOR SYSTEM**
[54] **SYSTEME DE CONNECTEUR**
[72] PAGANO, IAN, GB
[72] KAY, NICOLA, GB
[72] DAVIES, GRAHAM, GB
[72] BROWN, CHRIS, GB
[71] SFD SYSTEMS LIMITED, GB
[85] 2018-02-22
[86] 2016-08-24 (PCT/GB2016/052627)
[87] (WO2017/033010)
[30] GB (1515029.5) 2015-08-24

[21] **2,996,373**
[13] A1
[51] **Int.Cl. F26B 3/347 (2006.01) F26B 25/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DRYING EXTRUDED HONEYCOMB BODIES**
[54] **SYSTEME ET PROCEDE DE SECHAGE DE CORPS EXTRUDE EN NID-D'ABEILLES**
[72] DOTZEL, RALF, DE
[72] FISCHER, WALTER, DE
[72] LEPPELT, RAINER, DE
[72] MUNCH, JORG WERNER, DE
[72] ZAPF, THOMAS, DE
[72] SCHOENE, THOMAS, DE
[72] HIRSCHMANN, THOMAS, DE
[72] PROSKE, THOMAS, DE
[71] JOHNSON MATTHEY CATALYSTS (GERMANY) GMBH, DE
[85] 2018-02-22
[86] 2016-08-31 (PCT/GB2016/052695)
[87] (WO2017/037452)
[30] DE (10 2015 216 647.3) 2015-08-31

[21] **2,996,375**
[13] A1
[51] **Int.Cl. G09B 23/28 (2006.01) G09B 23/34 (2006.01)**
[25] EN
[54] **ANIMAL DENTISTRY TRAINING APPARATUS**
[54] **APPAREIL DE FORMATION POUR DENTISTERIE VETERINAIRE**
[72] BENNETT, MARIE-LOUISE AMANDA, GB
[71] MARS, INCORPORATED, US
[85] 2018-02-22
[86] 2016-09-02 (PCT/GB2016/052721)
[87] (WO2017/037474)
[30] GB (1515722.5) 2015-09-04

[21] **2,996,388**
[13] A1
[51] **Int.Cl. B63J 99/00 (2009.01) G06F 9/54 (2006.01)**
[25] EN
[54] **GOING ON LOCATION FEASIBILITY TAKING INTO ACCOUNT OFF-SHORE OCEAN CONDITIONS**
[54] **FAISABILITE DE DEPLACEMENT TENANT COMPTE DES CONDITIONS OCEANIQUES HAUTURIERES**
[72] MELKOWITS, MASON COREY, US
[72] GRASSO, BARTON D., US
[72] STRACHAN, FRANK, US
[72] VAZQUEZ, JOSE H., US
[71] ENSCO SERVICES LIMITED, GB
[85] 2018-02-22
[86] 2016-08-25 (PCT/IB2016/055083)
[87] (WO2017/033149)
[30] US (62/209,407) 2015-08-25
[30] US (15/218,935) 2016-07-25
[30] US (15/246,280) 2016-08-24

[21] **2,996,389**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4375 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61P 11/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 207/273 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 491/18 (2006.01)**
[25] EN
[54] **BICYCLIC-FUSED HETEROARYL OR ARYL COMPOUNDS AS IRAK4 MODULATORS**
[54] **COMPOSES HETEROARYLE OU ARYLE BICYCLIQUES FUSIONNES EN TANT QUE MODULATEURS D'IRAK 4**
[72] LEE, KATHERINE LIN, US
[72] ALLAIS, CHRISTOPHE PHILIPPE, US
[72] DEHNHARDT, CHRISTOPH MARTIN, CA
[72] GAVRIN, LORI KRIM, US
[72] HAN, SEUNGIL, US
[72] HEPWORTH, DAVID, US
[72] LEE, ARTHUR, US
[72] LOVERING, FRANK ELDRIDGE, US
[72] MATHIAS, JOHN PAUL, US
[72] OWEN, DAFYDD RHYS, US
[72] PAPAIOANNOU, NIKOLAOS, US
[72] SAIAH, EDDINE, US
[72] STROHBACH, JOSEPH WALTER, US
[72] TRZUPEK, JOHN DAVID, US
[72] WRIGHT, STEPHEN WAYNE, US
[72] ZAPF, CHRISTOPH WOLFGANG, US
[71] PFIZER INC., US
[85] 2018-02-22
[86] 2016-08-16 (PCT/IB2016/054906)
[87] (WO2017/033093)
[30] US (62/210,573) 2015-08-27

[21] **2,996,391**
[13] A1
[51] **Int.Cl. F24F 13/28 (2006.01) A01G 7/00 (2006.01) A01G 9/02 (2018.01) A01G 9/24 (2006.01) F24F 1/00 (2011.01) F24F 3/16 (2006.01) F24F 5/00 (2006.01) F24F 7/00 (2006.01)**
[25] EN
[54] **MODULE OF VENTILATION AND BIOLOGICAL PURIFICATION OF INTERNAL AND EXTERNAL AIR TO AN ENVIRONMENT, AND RELEVANT METHOD**
[54] **MODULE DE VENTILATION ET DE PURIFICATION BIOLOGIQUE DE L'AIR INTERIEUR ET EXTERIEUR D'UN ENVIRONNEMENT, ET PROCEDE ASSOCIE**
[72] DE PAOLI, ORIO, IT
[72] SIMONETTI, MARCO, IT
[72] MORRA, ANGELICA, IT
[72] NOVARA, MONICA, IT
[71] POLITECNICO DI TORINO, IT
[85] 2018-02-22
[86] 2016-08-31 (PCT/IB2016/055195)
[87] (WO2017/042664)
[30] IT (UB2015A003572) 2015-09-11

---

[21] **2,996,394**
[13] A1
[51] **Int.Cl. B01D 46/00 (2006.01)**
[25] EN
[54] **PAINTING BOOTH WITH CHANGE FILTER SYSTEM**
[54] **CABINE DE PEINTURE POURVUE D'UN SYSTEME DE FILTRE DE CHANGEMENT**
[72] COVIZZI, GIAMPAOLO, IT
[72] COLOMBAROLI, PAOLO, IT
[71] GEICO SPA, IT
[85] 2018-02-22
[86] 2016-09-01 (PCT/IB2016/055226)
[87] (WO2017/037644)
[30] IT (102015000047636) 2015-09-01

---

[21] **2,996,400**
[13] A1
[51] **Int.Cl. B60W 50/08 (2012.01) B60W 50/14 (2012.01) G08G 1/0967 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DRIVING ASSISTANCE ALONG A PATH**
[54] **SYSTEME ET PROCEDE POUR ASSISTANCE A LA CONDUITE LE LONG D'UNE TRAJECTOIRE**
[72] GUPTA, MANISH, IN
[72] SASTRY, RAMESHA CHELUR RAMACHANDRA, IN
[72] CHINTALAPOODI, PRAMOD, US
[72] TANAKA, SHO, JP
[71] SONY CORPORATION, JP
[85] 2018-02-22
[86] 2016-08-26 (PCT/JP2016/003887)
[87] (WO2017/043032)
[30] US (14/851,231) 2015-09-11

---

[21] **2,996,401**
[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) B60Q 1/00 (2006.01) B60Q 9/00 (2006.01) B60R 1/12 (2006.01) B60R 11/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD TO PROVIDE DRIVING ASSISTANCE**
[54] **SYSTEME ET PROCEDE DE FOURNITURE D'ASSISTANCE A LA CONDUITE**
[72] GUPTA, MANISH, IN
[72] CHINTALAPOODI, PRAMOD, US
[72] TANAKA, SHO, JP
[71] SONY CORPORATION, JP
[85] 2018-02-22
[86] 2016-08-26 (PCT/JP2016/003901)
[87] (WO2017/043033)
[30] US (14/851,201) 2015-09-11

---

[21] **2,996,402**
[13] A1
[51] **Int.Cl. B62D 15/02 (2006.01) G06Q 20/32 (2012.01) G08G 1/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING DRIVING ASSISTANCE TO SAFELY OVERTAKE A VEHICLE**
[54] **SYSTEME ET PROCEDE POUR FOURNIR UNE ASSISTANCE A LA CONDUITE POUR DEPASSER SANS DANGER UN VEHICULE**
[72] GUPTA, MANISH, IN
[72] SASTRY, RAMESHA CHELUR RAMACHANDRA, IN
[72] CHINTALAPOODI, PRAMOD, US
[72] TANAKA, SHO, JP
[71] SONY CORPORATION, JP
[85] 2018-02-22
[86] 2016-09-05 (PCT/JP2016/004040)
[87] (WO2017/047038)
[30] US (14/856,737) 2015-09-17

---

[21] **2,996,406**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/5513 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **PIPERIDINOBENZODIAZEPINE COMPOUNDS WITH ANTI PROLIFERATIVE ACTIVITY**
[54] **COMPOSES DE PIPERIDINOBENZODIAZEPINE AYANT UNE ACTIVITE ANTI-PROLIFERATIVE**
[72] JACKSON, PAUL JOSEPH MARK, GB
[72] THURSTON, DAVID EDWIN, GB
[72] RAHMAN, KHONDAKER MIRAZUR, GB
[71] FEMTOGENIX LIMITED, GB
[85] 2018-02-15
[86] 2016-08-19 (PCT/GB2016/052565)
[87] (WO2017/032983)
[30] GB (1514928.9) 2015-08-21

[21] **2,996,436**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **SIALYL-DI-LEWIS A AS EXPRESSED ON GLYCOPROTEINS BUT NOT GLYCOLIPIDS AS A FUNCTIONAL CANCER TARGET AND ANTIBODIES THERETO**
[54] **FORME SIALYLEE DU DI-LEWIS A TELLE QU'ELLE EST EXPRIMEE SUR DES GLYCOPROTEINES MAIS PAS SUR LES GLYCOLIPIDES A TITRE DE CIBLE CANCEREUSE FONCTIONNELLE ET ANTICORPS DIRIGE CONTRE CELLE-CI**
[72] DURRANT, LINDY GILLIAN, GB
[72] VANKEMMELBEKE, MIREILLE, GB
[72] TIVADAR, SILVANA, GB
[72] PARSONS, TINA, GB
[72] MCINTOSH, RICHARD, GB
[71] THE UNIVERSITY OF NOTTINGHAM, GB
[85] 2018-02-23
[86] 2016-08-25 (PCT/GB2016/052647)
[87] (WO2017/033020)
[30] GB (1515094.9) 2015-08-25

---

[21] **2,996,442**
[13] A1
[51] **Int.Cl. B01D 46/00 (2006.01)**
[25] EN
[54] **PAINTING BOOTH WITH AUTOMATIC FILTER SYSTEM**
[54] **CABINE DE PEINTURE DOTEE D'UN SYSTEME DE FILTRE AUTOMATIQUE**
[72] COVIZZI, GIAMPAOLO, IT
[72] COLOMBAROLI, PAOLO, IT
[71] GEICO SPA, IT
[85] 2018-02-22
[86] 2016-09-01 (PCT/IB2016/055225)
[87] (WO2017/037643)
[30] IT (102015000047669) 2015-09-01

---

[21] **2,996,446**
[13] A1
[51] **Int.Cl. C12N 15/77 (2006.01) C12P 13/06 (2006.01)**
[25] EN
[54] **MICROORGANISM PRODUCING L-LEUCINE AND METHOD FOR PRODUCING L-LEUCINE USING THE SAME**
[54] **MICRO-ORGANISME PRODUISANT DE LA L-LEUCINE; ET PROCEDE DE PREPARATION DE L-LEUCINE UTILISANT CELUI-CI**
[72] SONG, BYEONG CHEOL, KR
[72] LEE, JI HYE, KR
[72] JEON, AE JI, KR
[72] KIM, JONG HYUN, KR
[72] KIM, HYE WON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2018-02-22
[86] 2016-08-25 (PCT/KR2016/009438)
[87] (WO2017/034343)
[30] KR (10-2015-0119785) 2015-08-25

---

[21] **2,996,454**
[13] A1
[51] **Int.Cl. F16J 15/44 (2006.01) F01D 11/02 (2006.01) F01D 11/12 (2006.01) F16J 15/447 (2006.01)**
[25] EN
[54] **TURBINE OF A GAS TURBINE ENGINE COMPRISING A LABYRINTH SEAL ELEMENT**
[54] **TURBINE DE MOTEUR A TURBINE A GAZ COMPRENANT UN ELEMENT DE JOINT D'ETANCHEITE A LABYRINTHE**
[72] MASSOT, AURELIEN RENE-PIERRE, FR
[72] SCHWARTZ, ERIC, FR
[72] SCHWEBLEN, WILFRIED LIONEL, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-02-23
[86] 2016-09-02 (PCT/FR2016/052171)
[87] (WO2017/037394)
[30] FR (1558118) 2015-09-02

---

[21] **2,996,457**
[13] A1
[51] **Int.Cl. B64C 27/00 (2006.01) B64C 15/14 (2006.01) B64C 27/06 (2006.01) B64C 29/00 (2006.01)**
[25] EN
[54] **HELICOPTER EQUIPPED WITH A DEVICE FOR EMERGENCY LIFT ASSISTANCE**
[54] **HELICOPTERE EQUIPE D'UN DISPISITIF D'ASSISTANCE D'URGENCE A LA SUSTENTATION**
[72] SEINTURIER, ERIC PIERRE, FR
[72] THIRIET, ROMAIN, FR
[72] MERCIER-CALVAIRAC, FABIEN, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2018-02-23
[86] 2016-09-02 (PCT/FR2016/052182)
[87] (WO2017/037401)
[30] FR (1558230) 2015-09-04

---

[21] **2,996,471**
[13] A1
[51] **Int.Cl. A63B 21/00 (2006.01) A63B 21/005 (2006.01) A63B 21/062 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **WEIGHTS SYSTEM**
[54] **SYSTEME DE POIDS**
[72] LACEY, RAYMOND, GB
[71] FLAK LIMITED, AF
[85] 2018-02-23
[86] 2016-08-04 (PCT/GB2016/052396)
[87] (WO2017/037411)
[30] GB (1515323.2) 2015-08-28

---

[21] **2,996,472**
[13] A1
[51] **Int.Cl. B29C 70/38 (2006.01)**
[25] EN
[54] **LAY-UP HEAD**
[54] **TETE DE DRAPAGE**
[72] TINGLE, JAMES, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB
[85] 2018-02-23
[86] 2016-08-31 (PCT/GB2016/052687)
[87] (WO2017/037446)
[30] US (62/213,912) 2015-09-03
[30] GB (1515955.1) 2015-09-09

[21] **2,996,474**
[13] A1
[51] **Int.Cl. B22D 25/00 (2006.01) C22C 1/08 (2006.01) C22C 21/00 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCTION OF COMPONENT FROM METAL FOAM, COMPONENT PRODUCED BY SAID METHOD AND MOULD FOR THE REALIZATION OF SAID METHOD**
[54] **PROCEDE DE PRODUCTION D'UN ELEMENT A PARTIR DE MOUSSE METALLIQUE, ELEMENT PRODUIT PAR LEDIT PROCEDE ET MOULE POUR LA REALISATION DUDIT PROCEDE**
[72] SIMANCIK, FRANTISEK, SK
[72] PAVLIK, L'UBOMIR, SK
[72] □PANIELKA, JAN, SK
[72] TOBOLKA, PETER, SK
[72] SPANIELKA, JAN, SK
[71] USTAV MATERIALOV A MECHANIKY STROJOV SAV, SK
[85] 2018-02-23
[86] 2015-12-15 (PCT/IB2015/059639)
[87] (WO2017/037522)
[30] SK (PP50046-2015) 2015-08-28
[30] SK (PP50082-2015) 2015-12-14

---

[21] **2,996,485**
[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61P 23/02 (2006.01)**
[25] EN
[54] **NON-AQUEOUS PATCH COMPRISING LIDOCAINE**
[54] **TIMBRE NON AQUEUX COMPRENANT DE LA LIDOCAINE**
[72] MORI, TATSUYA, JP
[72] SAIDA, NAOYUKI, JP
[71] OISHI KOSEIDO CO., LTD., JP
[71] ITOCHU CHEMICAL FRONTIER CORPORATION, JP
[85] 2018-02-23
[86] 2016-08-24 (PCT/JP2016/075376)
[87] (WO2017/034041)
[30] US (62/208,985) 2015-08-24

---

[21] **2,996,486**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **ZIC1 AND GHSR, MOLECULAR DIAGNOSTIC MARKERS FOR HPV-INDUCED INVASIVE CANCERS, NONHPV-INDUCED GYNAECOLOGICAL AND ANOGENITAL CANCERS AND THEIR HIGH-GRADE PRECURSOR LESIONS**
[54] **ZIC1 ET GHSR, MARQUEURS DE DIAGNOSTIC MOLECULAIRE POUR CANCERS INVASIFS INDUITS PAR LE PVH, CANCERS GYNECOLOGIQUES ET ANOGENITAUX NON INDUITS PAR LE PVH ET DE LEURS LESIONS PRECURSEURS DE HAUT GRADE**
[72] HESSELINK, ALBERTUS THEODORUS, NL
[71] SELF-SCREEN B.V., NL
[85] 2018-02-23
[86] 2016-08-25 (PCT/NL2016/050593)
[87] (WO2017/034407)
[30] EP (15182601.3) 2015-08-26

---

[21] **2,996,488**
[13] A1
[51] **Int.Cl. B24C 1/00 (2006.01) B24C 7/00 (2006.01)**
[25] EN
[54] **DRY ICE CONTAINER FOR DRY ICE CLEANING DEVICES**
[54] **RECIPIENT DE GLACE SECHE POUR DISPOSITIFS DE NETTOYAGE A LA GLACE SECHE**
[72] BAKALA, L'UDOVIT, SK
[72] GABRIS, PETER, SK
[72] KUBIS, IVAN, SK
[71] ICS ICE CLEANING SYSTEMS S.R.O., SK
[85] 2018-02-23
[86] 2016-08-29 (PCT/SK2016/050009)
[87] (WO2017/039548)
[30] SK (PP50047-2015) 2015-08-29

---

[21] **2,996,495**
[13] A1
[51] **Int.Cl. A01K 5/00 (2006.01) A01K 5/02 (2006.01)**
[25] EN
[54] **AUTOMATIC FEED COMPOSING DEVICE**
[54] **DISPOSITIF DE COMPOSITION DE NOURRITURE AUTOMATIQUE**
[72] RUIZENAAR, RUUD, NL
[71] LELY PATENT N.V., NL
[85] 2018-02-23
[86] 2016-07-28 (PCT/NL2016/050558)
[87] (WO2017/034397)
[30] NL (2015355) 2015-08-27

---

[21] **2,996,537**
[13] A1
[51] **Int.Cl. B63B 21/66 (2006.01) B65H 75/14 (2006.01) B65H 75/42 (2006.01) B66D 1/30 (2006.01) G01V 1/38 (2006.01) H01Q 1/34 (2006.01)**
[25] EN
[54] **DRUM FOR A TOWED ANTENNA, WINCH FOR A TOWED ANTENNA, TOWED ANTENNA FOR TOWING IN WATER, AND SHIP FOR TOWING A TOWED ANTENNA IN WATER**
[54] **TAMBOUR POUR ANTENNE REMORQUEE, TREUIL POUR ANTENNE REMORQUEE, ANTENNE REMORQUEE DESTINEE A ETRE REMORQUEE DANS L'EAU ET NAVIRE POUR REMORQUER UNE ANTENNE REMORQUEE DANS L'EAU**
[72] WUERKER, SASCHA, DE
[71] ATLAS ELEKTRONIK GMBH, DE
[85] 2018-02-22
[86] 2016-07-28 (PCT/DE2016/100345)
[87] (WO2017/036442)
[30] DE (10 2015 114 375.5) 2015-08-28

[21] **2,996,588**
[13] A1
[51] **Int.Cl. F24S 10/55 (2018.01) F24S 10/40 (2018.01) E04D 13/18 (2018.01)**
[25] EN
[54] **SOLAR THERMAL COLLECTOR**
[54] **CAPTEUR SOLAIRE THERMIQUE**
[72] ROCHEFORT, JEAN-MARC, CA
[72] CAUX, JOCELYN, CA
[71] SOLAR-O-MATIC TECHNOLOGIE INC., CA
[85] 2018-02-26
[86] 2016-08-25 (PCT/CA2016/051000)
[87] (WO2017/031588)
[30] US (62/209,977) 2015-08-26

---

[21] **2,996,601**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **T-CELL RECEPTOR MIMIC (TCRM) ANTIBODIES**
[54] **ANTICORPS IMITATEUR DE RECEPTEUR DE LYMPHOCYTES T (TCRM)**
[72] BANHAM, ALISON, GB
[72] LI, DEMIN, GB
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2018-02-26
[86] 2016-08-26 (PCT/GB2016/052674)
[87] (WO2017/037440)
[30] GB (1515351.3) 2015-08-28

---

[21] **2,996,617**
[13] A1
[51] **Int.Cl. B29C 45/44 (2006.01) B29C 45/00 (2006.01)**
[25] EN
[54] **A METHOD AND A DEVICE FOR PRODUCING A PACKAGE CLOSURE**
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION D'UNE FERMETURE D'EMBALLAGE**
[72] NILSSON, HUGO, SE
[71] PETRO-PACK AB, SE
[85] 2018-02-26
[86] 2015-11-18 (PCT/SE2015/051240)
[87] (WO2016/080898)
[30] SE (1451405-3) 2014-11-21

---

[21] **2,996,635**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61K 9/00 (2006.01) A61P 11/06 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **THYMIC STROMAL LYMPHOPOIETIN (TSLP)-BINDING MOLECULES AND METHODS OF USING THE MOLECULES**
[54] **ANTICORPS DE LIAISON A LA LYMPHOPOIETINE STROMALE THYMIQUE (TSLP) ET METHODES D'UTILISATION DES ANTICORPS**
[72] RONDEAU, JEAN-MICHEL RENE, CH
[72] EDWARDS, MATTHEW JOHN, GB
[72] MILLER, DANFORTH, US
[72] HUANG, DANIEL, US
[72] HEMMIG, RENE, CH
[72] KNOPF, HANS-PETER, CH
[72] GUPTA, KAPIL, US
[72] VAN HEEKE, GINO ANSELMUS, GB
[72] HAUBST, NICOLE, DE
[72] ANDLAUER, BARBARA, DE
[71] NOVARTIS AG, CH
[85] 2018-02-26
[86] 2016-09-07 (PCT/IB2016/055336)
[87] (WO2017/042701)
[30] US (62/216,050) 2015-09-09
[30] US (62/342,511) 2016-05-27

---

[21] **2,996,665**
[13] A1
[51] **Int.Cl. C07D 277/10 (2006.01) A61K 31/425 (2006.01) A61K 31/427 (2006.01) A61P 33/06 (2006.01) C07D 277/64 (2006.01)**
[25] EN
[54] **COMPOUNDS AS DNA PROBES, METHODS AND APPLICATIONS THEREOF**
[54] **COMPOSES EN TANT QUE SONDES D'ADN, PROCEDES ET APPLICATIONS DE CES DERNIERS**
[72] THIMMAIAH, GOVINDARAJU, IN
[72] NARAYANASWAMY, NAGARJUN, IN
[71] JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, IN
[85] 2018-02-26
[86] 2016-08-26 (PCT/IB2016/055113)
[87] (WO2017/033162)
[30] IN (4493/CHE/2015) 2015-08-26

---

[21] **2,996,666**
[13] A1
[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01)**
[25] EN
[54] **COMPOUNDS AS STIMULI-RESPONSIVE PROBES, METHODS AND APPLICATIONS THEREOF**
[54] **COMPOSES EN TANT QUE SONDES SENSIBLES A DES STIMULI, PROCEDES ET APPLICATIONS ASSOCIES**
[72] THIMMAIAH, GOVINDARAJU, IN
[72] NARAYANASWAMY, NAGARJUN, IN
[71] JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, IN
[85] 2018-02-26
[86] 2016-08-26 (PCT/IB2016/055114)
[87] (WO2017/033163)
[30] IN (4494/CHE/2015) 2015-08-26

---

[21] **2,996,676**
[13] A1
[51] **Int.Cl. B24B 19/02 (2006.01)**
[25] EN
[54] **A MACHINE TOOL FOR MULTIPLE WORKING OF SURFACES OF BODIES**
[54] **MACHINE-OUTIL POUR USINAGE MULTIPLE DE SURFACES DE CORPS**
[72] ROVINELLI, MASSIMILIANO, IT
[71] TRAMA ENGINEERING S.R.L., IT
[85] 2018-02-26
[86] 2016-09-01 (PCT/IT2016/000203)
[87] (WO2017/037750)
[30] IT (102015000048610) 2015-09-04

---

[21] **2,996,758**
[13] A1
[51] **Int.Cl. B29C 47/06 (2006.01) B29C 47/92 (2006.01) B29C 47/90 (2006.01) F16L 9/12 (2006.01)**
[25] EN
[54] **COEXTRUSION PROCESSES AND PRODUCTS PRODUCED THEREFROM**
[54] **PROCEDES DE COEXTRUSION ET PRODUITS DERIVES DESDITS PROCEDES**
[72] JOHNES, MICHAEL, US
[72] WHITE, ROBERT, US
[71] SOCIETE BIC S.A., FR
[85] 2018-02-27
[86] 2016-02-04 (PCT/IB2016/000204)
[87] (WO2016/128829)
[30] US (62/116,139) 2015-02-13

[21] **2,996,785**
[13] A1
[51] **Int.Cl. E21B 29/00 (2006.01)**
[25] EN
[54] **DOWNHOLE CUT AND PULL TOOL AND METHOD OF USE**
[54] **OUTIL DE COUPE ET REMONTEE DE FOND DE TROU ET SON PROCEDE D'UTILISATION**
[72] WARDLEY MICHAEL, GB
[72] FAIRWEATHER, ALAN, GB
[72] TELFER, GEORGE, GB
[71] ARDYNE TECHNOLOGIES LIMITED, GB
[85] 2018-02-27
[86] 2016-09-16 (PCT/GB2016/052908)
[87] (WO2017/046613)
[30] GB (1516452.8) 2015-09-16

[21] **2,996,806**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DIPLOSPORY GENE**
[54] **GENE DE DIPLOSPORIE**
[72] VAN DIJK, PETER JOHANNES, NL
[72] RIGOLA, DIANA, NL
[72] PRINS, MARINUS WILLEM, NL
[72] VAN TUNEN, ADRIANUS JOHANNES, NL
[71] KEYGENE N.V., NL
[85] 2018-02-27
[86] 2016-09-05 (PCT/NL2016/050617)
[87] (WO2017/039452)
[30] NL (2015398) 2015-09-04

[21] **2,996,811**
[13] A1
[51] **Int.Cl. C02F 1/28 (2006.01) B01J 20/24 (2006.01) B01J 20/28 (2006.01) C02F 1/66 (2006.01) C02F 1/38 (2006.01) C02F 1/72 (2006.01) C02F 1/74 (2006.01)**
[25] EN
[54] **REMOVAL OF SULFUR SUBSTANCES FROM AN AQUEOUS MEDIUM WITH A SOLID MATERIAL**
[54] **ELIMINATION DE SUBSTANCES DE SOUFRE D'UN MILIEU AQUEUX AVEC UN MATERIAU SOLIDE**
[72] AALTO, JUHA-MATTI, FI
[72] KANKKUNEN, JANNE, FI
[72] VEPSALAINEN, JOUKO, FI
[71] BIOSO4 OY, FI
[85] 2018-02-27
[86] 2016-08-26 (PCT/FI2016/050587)
[87] (WO2017/037335)
[30] FI (20155626) 2015-09-01

[21] **2,996,837**
[13] A1
[51] **Int.Cl. F16L 13/14 (2006.01)**
[25] EN
[54] **PRESS FITTING FOR PIPES HAVING A CHECK RING**
[54] **AJUSTEMENT PAR PRESSION POUR TUYAUX COMPORTANT UNE BAGUE DE CONTROLE**
[72] RUISSEN, JOHANNES, NL
[72] HULLEGIEN, ANDREAS HUBERTUS, NL
[71] VSH FITTINGS B.V., NL
[85] 2018-02-27
[86] 2016-09-06 (PCT/NL2016/050618)
[87] (WO2017/043966)
[30] NL (2015413) 2015-09-08

[21] **2,996,852**
[13] A1
[51] **Int.Cl. B64D 41/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR DISTRIBUTING ELECTRIC POWER ON AN AIRCRAFT DURING A LIMITED POWER AVAILABILITY CONDITION**
[54] **APPAREIL ET PROCEDES DE DISTRIBUTION D'ENERGIE ELECTRIQUE DANS UN AERONEF LORS D'UN ETAT DE DISPONIBILITE D'ENERGIE LIMITEE**
[72] NFONGUEM, GUSTAVE, CA
[72] ILIESCU, VLAD, CA
[71] BOMBARDIER INC., CA
[85] 2018-02-27
[86] 2016-09-08 (PCT/IB2016/055362)
[87] (WO2017/042712)
[30] US (62/217,328) 2015-09-11

[21] **2,996,858**
[13] A1
[51] **Int.Cl. G01N 1/02 (2006.01) A61F 13/40 (2006.01)**
[25] EN
[54] **DEVICE FOR COLLECTING, TRANSFERRING AND STORING SAMPLES OF BIOLOGICAL AND/OR CHEMICAL MATERIAL**
[54] **DISPOSITIF DE COLLECTE, DE TRANSFERT ET DE STOCKAGE D'ECHANTILLONS DE MATERIEL BIOLOGIQUE ET/OU CHIMIQUE**
[72] CARAGIULI, GABRIELE, IT
[72] MARTELLO, GIORGIO, IT
[72] TAINI, ANDREA, IT
[71] COPAN ITALIA S.P.A., IT
[85] 2018-02-27
[86] 2016-08-18 (PCT/IB2016/054943)
[87] (WO2017/033099)
[30] IT (102015000046892) 2015-08-27

[21] **2,996,872**
[13] A1
[51] **Int.Cl. A61K 31/7004 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **METHOD FOR INHIBITING LIPID ABSORPTION AND/OR PROMOTING LIPID EXCRETION USING D-PSICOSE**
[54] **METHODE D'INHIBITION DE L'ABSORPTION ET/OU DE PROMOTION DE L'EXCRETION DE LIPIDES A L'AIDE DE D-PSICOSE**
[72] CHOI, MYUNG-SOOK, KR
[72] KWON, EUN-YOUNG, KR
[72] HAN, YOUNGJI, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2018-02-27
[86] 2016-09-01 (PCT/KR2016/009812)
[87] (WO2017/039365)
[30] KR (10-2015-0123437) 2015-09-01

[21] **2,996,878**
[13] A1
[51] **Int.Cl. A63F 9/08 (2006.01)**
[25] EN
[54] **SPHERE PUZZLE**
[54] **PUZZLE SPHERIQUE**
[72] CHRONOPOULOS, ILIAS, GR
[72] CHRONOPOULOU, ANASTASIA, GR
[72] CHRONOPOULOU, KALLIOPI, GR
[71] KAINOTOMIES VERDE KYVIKA LOGIKA PAIXNIDIA AEVE, GR
[71] CHRONOPOULOS, ILIAS, GR
[71] CHRONOPOULOU, ANASTASIA, GR
[71] CHRONOPOULOU, KALLIOPI, GR
[85] 2018-02-27
[86] 2016-09-05 (PCT/GR2016/000042)
[87] (WO2017/042596)
[30] GR (20150100391) 2015-09-08

[21] **2,996,914**
[13] A1
[51] **Int.Cl. E05C 3/04 (2006.01) E05B 11/02 (2006.01) E05B 11/04 (2006.01)**
[25] EN
[54] **CAM LOCK**
[54] **SERRURE BATTEUSE**
[72] SKOGSTROM, PETER, FI
[71] ABLOY OY, FI
[85] 2018-02-28
[86] 2015-09-15 (PCT/FI2015/050615)
[87] (WO2017/046442)

[21] **2,996,918**
[13] A1
[51] **Int.Cl. A46B 15/00 (2006.01) G06T 7/20 (2017.01)**
[25] EN
[54] **DETERMINATION OF A CURRENTLY TREATED BODY PORTION OF A USER**
[54] **DETERMINATION DE PARTIE DE CORPS ACTUELLEMENT TRAITEE D'UN UTILISATEUR**
[72] VETTER, INGO, DE
[72] REICK, HANSJORG, DE
[72] STUCKRATH, CARL, DE
[72] GARBAS, JENS-UWE, DE
[72] SEITZ, JOCHEN, DE
[72] ERNST, ANDREAS, DE
[72] BOCKSCH, MARCUS, DE
[71] BRAUN GMBH, DE
[85] 2018-02-28
[86] 2016-09-01 (PCT/IB2016/055244)
[87] (WO2017/042673)
[30] EP (15184240.8) 2015-09-08

[21] **2,996,937**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 38/10 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING, AS ACTIVE INGREDIENT, FUSION PROTEIN IN WHICH TUMOR-PENETRATING PEPTIDE AND ANTI-ANGIOGENESIS AGENT ARE FUSED, FOR PREVENTING AND TREATING CANCER OR ANGIOGENESIS-RELATED DISEASES**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT, COMME PRINCIPE ACTIF, UNE PROTEINE DE FUSION DANS LAQUELLE UN PEPTIDE PENETRANT LES TUMEURS ET UN AGENT ANTIANGIOGENESE SONT FUSIONNES, POUR LA PREVENTION ET LE TRAITEMENT DU CANCER OU DE MALADIES ASSOCIEES A L'ANGIOGENESE**
[72] KWON, HYUK SANG, KR
[72] KO, JONG-HEE, KR
[72] LEE, YEONG MIN, KR
[72] JUNG, HYEI YOON, KR
[72] YANG, SEOK WOO, KR
[72] KANG, JAE-HOON, KR
[72] KIM, YONG-SUNG, KR
[71] IL DONG PHARMACEUTICAL CO., LTD., KR
[85] 2018-02-28
[86] 2016-09-01 (PCT/KR2016/009801)
[87] (WO2017/039358)
[30] KR (10-2015-0123878) 2015-09-01

[21] **2,996,940**
[13] A1
[51] **Int.Cl. B01J 23/70 (2006.01) B01J 23/745 (2006.01) D01F 9/127 (2006.01)**
[25] EN
[54] **A PROCESS OF CONTROLLING THE MORPHOLOGY OF GRAPHITE**
[54] **PROCEDE DE CONTROLE DE LA MORPHOLOGIE DE GRAPHITE**
[72] CORNEJO, ANDREW, AU
[71] HAZER GROUP LIMITED, AU
[85] 2018-02-23
[86] 2016-08-26 (PCT/AU2016/000298)
[87] (WO2017/031529)
[30] AU (2015903458) 2015-08-26

[21] **2,996,969**
[13] A1
[51] **Int.Cl. G02B 21/00 (2006.01) A61B 5/00 (2006.01) G01N 21/64 (2006.01) G02B 5/20 (2006.01) G02B 5/22 (2006.01) G02B 5/28 (2006.01) G02B 21/16 (2006.01)**
[25] EN
[54] **MOBILE MICROSCOPE**
[54] **MICROSCOPE MOBILE**
[72] LUNDIN, JOHAN, FI
[72] SUUTALA, ANTTI, FI
[72] MOILANEN, HANNU, FI
[71] HELSINGIN YLIOPISTO, FI
[85] 2018-03-06
[86] 2016-08-26 (PCT/FI2016/050584)
[87] (WO2017/037334)
[30] FI (20155618) 2015-08-28

---

[21] **2,996,995**
[13] A1
[51] **Int.Cl. G01N 30/42 (2006.01) B01D 15/18 (2006.01)**
[25] EN
[54] **EXTRACTION CELL FOR A CENTRIFUGAL PARTITION CHROMATOGRAPH, A CENTRIFUGAL PARTITION CHROMATOGRAPH CONTAINING SUCH A CELL, AND A METHOD FOR PROVIDING SUCH AN EXTRACTION CELL**
[54] **CELLULE D'EXTRACTION POUR UN CHROMATOGRAPHE DE PARTAGE CENTRIFUGE, CHROMATOGRAPHE DE PARTAGE CENTRIFUGE CONTENANT UNE TELLE CELLULE, ET PROCEDE DE PRODUCTION D'UNE TELLE CELLULE D'EXTRACTION**
[72] LORANTFY, LASZLO, HU
[72] NEMETH, LASZLO, HU
[71] ROTACHROM TECHNOLOGIA KFT., HU
[85] 2018-02-28
[86] 2016-09-13 (PCT/HU2016/050042)
[87] (WO2017/037489)
[30] HU (P1500393) 2015-09-01

---

[21] **2,997,024**
[13] A1
[51] **Int.Cl. C22C 21/16 (2006.01) C22F 1/057 (2006.01)**
[25] FR
[54] **EXTRUDED PRODUCT MADE FROM AL-CU-MG ALLOY WITH IMPROVED COMPROMISE BETWEEN MECHANICAL RESISTANCE AND TOUGHNESS**
[54] **PRODUIT EXTRUDE EN ALLIAGE AL-CU-MG A COMPROMIS AMELIORE ENTRE RESISTANCE MECANIQUE ET TENACITE**
[72] BES, BERNARD, FR
[72] POUGET, GAELLE, FR
[72] PIGNATEL, JEROME, FR
[71] CONSTELLIUM ISSOIRE, FR
[85] 2018-02-28
[86] 2016-09-01 (PCT/FR2016/052167)
[87] (WO2017/037391)
[30] FR (15/58153) 2015-09-03

---

[21] **2,997,027**
[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING SIGNAL IN MULTIMEDIA SYSTEM**
[54] **APPAREIL ET PROCEDE POUR TRANSMETTRE ET RECEVOIR UN SIGNAL DANS UN SYSTEME MULTIMEDIA**
[72] YANG, HYUN-KOO, KR
[72] PARK, KYUNG-MO, KR
[72] SO, YOUNG-WAN, KR
[72] HWANG, SUNG-HEE, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2018-02-22
[86] 2016-08-30 (PCT/KR2016/009629)
[87] (WO2017/039272)
[30] KR (10-2015-0122808) 2015-08-31
[30] KR (10-2016-0005354) 2016-01-15

---

[21] **2,997,033**
[13] A1
[51] **Int.Cl. A01D 75/20 (2006.01) A01B 73/00 (2006.01)**
[25] EN
[54] **METHODS OF CONTROLLING AN AGRICULTURAL IMPLEMENT, AND AN AGRICULTURAL IMPLEMENT**
[54] **PROCEDES DE COMMANDE D'UN OUTIL AGRICOLE ET OUTIL AGRICOLE**
[72] VALBERG, STEFAN, SE
[71] VADERSTAD HOLDING AB, SE
[85] 2018-02-22
[86] 2016-08-25 (PCT/SE2016/050803)
[87] (WO2017/034469)
[30] SE (1551101-7) 2015-08-26

---

[21] **2,997,043**
[13] A1
[51] **Int.Cl. A42B 3/06 (2006.01) F16F 7/12 (2006.01)**
[25] EN
[54] **A COMPOSITE GEOMETRY STRUCTURE FOR THE ABSORPTION AND DISSIPATION OF THE ENERGY GENERATED BY AN IMPACT AND A SAFETY HELMET COMPRISING SAID STRUCTURE.**
[54] **STRUCTURE GEOMETRIQUE COMPOSITE POUR L'ABSORPTION ET LA DISSIPATION DE L'ENERGIE GENEREE PAR UN IMPACT, ET CASQUE DE SECURITE COMPRENANT LADITE STRUCTURE**
[72] CROSERA, GIOVANNI, IT
[72] ABDOLAHIAN, ALESSIO, IT
[71] PEDEVILLA, PATRICK, IT
[71] AIRHELMET S.R.L., IT
[85] 2018-02-28
[86] 2016-09-16 (PCT/IB2016/055534)
[87] (WO2017/046757)
[30] IT (102015000052896) 2015-09-18

[21] **2,997,086**
[13] A1
[51] **Int.Cl. G02B 27/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **EYE PROJECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROJECTION POUR ŒIL**
[72] GREENBERG, BORIS, IL
[71] EYEWAY VISION LTD., IL
[85] 2018-02-28
[86] 2016-09-01 (PCT/IL2016/050953)
[87] (WO2017/037708)
[30] IL (241033) 2015-09-02

[21] **2,997,097**
[13] A1
[51] **Int.Cl. H04N 19/59 (2014.01) H04N 19/122 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PROCESSING VIDEO SIGNAL**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE SIGNAL VIDEO**
[72] LEE, BAE KEUN, KR
[72] KIM, JOO YOUNG, KR
[71] KT CORPORATION, KR
[85] 2018-02-28
[86] 2016-08-29 (PCT/KR2016/009574)
[87] (WO2017/039256)
[30] KR (10-2015-0121629) 2015-08-28
[30] KR (10-2015-0122975) 2015-08-31
[30] KR (10-2015-0122976) 2015-08-31

[21] **2,997,102**
[13] A1
[51] **Int.Cl. F01B 7/16 (2006.01) F02B 75/28 (2006.01)**
[25] EN
[54] **HYDROGEN ENGINE AND THE WAY OF HYDROGEN FUEL PRODUCTION FOR ITS POWER SUPPLY**
[54] **MOTEUR A HYDROGENE ET MOYEN DE PRODUCTION DE CARBURANT HYDROGENE POUR SON ALIMENTATION ENERGETIQUE**
[72] GAJ-JABLONSKI, WOJCLECH, PL
[71] GAJ-JABLONSKI, WOJCLECH, PL
[85] 2018-02-28
[86] 2015-09-28 (PCT/PL2015/000157)
[87] (WO2017/039464)
[30] PL (P.413737) 2015-08-31

[21] **2,997,119**
[13] A1
[51] **Int.Cl. A61M 11/04 (2006.01) A24F 47/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPORISER SYSTEM**
[54] **SYSTEME DE VAPORISATEUR ELECTRONIQUE**
[72] MURISON, IAN, GB
[72] MARSH, STEPHEN, GB
[72] GORILOVSKY, DMITRY, GB
[71] BEYOND TWENTY LIMITED, GB
[85] 2018-03-01
[86] 2016-09-01 (PCT/GB2016/052700)
[87] (WO2017/037457)
[30] GB (1515445.3) 2015-09-01
[30] GB (1521110.5) 2015-11-30
[30] GB (1603579.2) 2016-03-01
[30] GB (1610294.9) 2016-06-14
[30] GB (1610531.4) 2016-06-16

[21] **2,997,124**
[13] A1
[51] **Int.Cl. F22B 1/18 (2006.01) F22B 5/00 (2006.01) F24D 17/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR UTILIZATION OF HOT WATER PLANT WASTE HEAT RECOVERY BY INCORPORATED HIGH TEMPERATURE WATER SOURCE HEAT PUMP**
[54] **PROCEDE ET APPAREIL D'UTILISATION DE RECUPERATION DE CHALEUR RESIDUELLE D'INSTALLATION D'EAU CHAUDE PAR POMPE A CHALEUR A SOURCE D'EAU A TEMPERATURE ELEVEE INTEGREE**
[72] DARKO, GORICANEC, SI
[72] KROPE, JURIJ, SI
[72] BOZICNIK, STANE, SI
[71] UNIVERSITY OF MARIBOR, SI
[85] 2018-03-01
[86] 2016-03-24 (PCT/IB2016/000387)
[87] (WO2017/042613)
[30] SI (P-201500215) 2015-09-11

[21] **2,997,130**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTIBODIES SPECIFIC TO HUMAN T-CELL IMMUNOGLOBULIN AND ITIM DOMAIN (TIGIT)**
[54] **ANTICORPS SPECIFIQUES CONTRE LE DOMAINE D'IMMUNOGLOBULINE DE LYMPHOCYTE T ET ITIM (TIGIT)**
[72] MANDELBOIM, OFER, IL
[72] KAYNAN, NOA S., IL
[72] TSUKERMAN, PINCHAS, IL
[72] JONJIC, STIPAN, HR
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[71] UNIVERSITY OF RIJEKA FACULTY OF MEDICINE, HR
[85] 2018-03-01
[86] 2016-09-01 (PCT/IL2016/050952)
[87] (WO2017/037707)
[30] US (62/213,140) 2015-09-02
[30] US (62/314,427) 2016-03-29

[21] **2,997,158**
[13] A1
[51] **Int.Cl. F17C 13/08 (2006.01)**
[25] EN
[54] **STORAGE BOX FOR BOTTLES OF PRESSURIZED FLUID AND ASSOCIATED STORAGE FRAME**
[54] **CASSETTE DE STOCKAGE POUR BOUTEILLES A FLUIDE SOUS PRESSION ET UN CADRE DE STOCKAGE ASSOCIE**
[72] BAUNE, EMMANUEL, FR
[72] ARNAUD, GUILLAUME, FR
[72] BURGIN, PAUL, GB
[72] ROBERTSON, STEVE, GB
[72] ASKNES, NILS, GB
[72] BLAKEMAN, TOM, GB
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[71] AIR LIQUIDE OIL AND GAS SERVICES LIMITED, GB
[85] 2018-03-01
[86] 2016-08-02 (PCT/FR2016/052004)
[87] (WO2017/037357)
[30] FR (1558242) 2015-09-04

[21] **2,997,164**
[13] A1
[51] **Int.Cl. H02K 44/12 (2006.01) H02K 44/08 (2006.01)**
[25] FR
[54] **MAGNETOHYDRODYNAMIC GENERATOR**
[54] **GENERATEUR MAGNETOHYDRODYNAMIQUE**
[72] SERGHINE, CAMEL, FR
[72] KLONOWSKI, THOMAS, FR
[72] BEDDOK, STEPHANE, FR
[72] RICHARD, STEPHANE, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2018-02-28
[86] 2016-09-01 (PCT/FR2016/052163)
[87] (WO2017/037388)
[30] FR (1558232) 2015-09-04

---

[21] **2,997,167**
[13] A1
[51] **Int.Cl. A01N 33/12 (2006.01) A01N 47/44 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PROTECTION OF PLANTS, FRUIT AND VEGETABLES**
[54] **COMPOSITION DE PROTECTION DE PLANTES, FRUITS ET LEGUMES**
[72] NIELSEN, DAN MONSTER, DK
[72] JEPPESEN, PER BENDIX, DK
[71] LIQUID VANITY APS, DK
[85] 2018-02-28
[86] 2016-09-01 (PCT/DK2016/050292)
[87] (WO2017/036484)
[30] DK (PA 2015 70568) 2015-09-01

---

[21] **2,997,174**
[13] A1
[51] **Int.Cl. B65D 83/38 (2006.01) B05B 11/00 (2006.01)**
[25] EN
[54] **SPRAYING DEVICE AND METHOD OF USING SAME**
[54] **DISPOSITIF DE PULVERISATION, ET PROCEDE D'UTILISATION DE CE DISPOSITIF**
[72] BUTLER, MARTIN, CN
[72] BRUNT, JAMES EDWARD, GB
[72] DAS, AVIJIT, GB
[72] GAMBLE, RICHARD, GB
[72] WITTY, CHRISTOPHER, GB
[72] WOOLLEY, SIMON, GB
[72] SANDERS, DAVID, GB
[71] RECKITT BENCKISER (BRANDS) LIMITED, GB
[85] 2018-02-28
[86] 2016-09-19 (PCT/GB2016/052914)
[87] (WO2017/046614)
[30] GB (1516544.2) 2015-09-18

---

[21] **2,997,182**
[13] A1
[51] **Int.Cl. F16C 25/06 (2006.01) F16B 2/08 (2006.01) F16C 19/52 (2006.01) F16C 33/60 (2006.01) F16G 11/00 (2006.01) F16C 33/58 (2006.01)**
[25] EN
[54] **BEARING COMPRESSION STRAP**
[54] **SANGLE DE COMPRESSION DE PALIER**
[72] MCNICHOLS, COLIN, US
[72] GLINSKY, CHAD PHILLIP, US
[72] CROWTHER, ASHLEY, US
[71] ROMAX TECHNOLOGY LIMITED, GB
[85] 2018-03-01
[86] 2016-09-02 (PCT/IB2016/055266)
[87] (WO2017/037667)
[30] US (14/843,474) 2015-09-02
[30] GB (1611353.2) 2016-06-30

---

[21] **2,997,196**
[13] A1
[51] **Int.Cl. G01V 1/38 (2006.01) B63B 21/66 (2006.01) G01V 1/20 (2006.01)**
[25] EN
[54] **SOUND TRANSDUCER ASSEMBLY, TOWED ARRAY SONAR, WINCH, TOWBOAT AND DEPLOYMENT AND RETRIEVAL METHOD**
[54] **DISPOSITIF TRANSDUCTEUR DE SON, SONAR RESEAU REMORQUE, TREUIL, BATEAU-REMORQUEUR, ET METHODE DE DEPLOIEMENT ET ENLEVEMENT**
[72] BOCHENTIN, THORSTEN, DE
[71] ATLAS ELEKTRONIK GMBH, DE
[85] 2018-03-01
[86] 2016-08-29 (PCT/DE2016/100388)
[87] (WO2017/045665)
[30] DE (10 2015 115 693.8) 2015-09-17

---

[21] **2,997,207**
[13] A1
[51] **Int.Cl. B05B 1/28 (2006.01) B65D 83/26 (2006.01)**
[25] EN
[54] **MODIFIED SPRAY HEAD**
[54] **TETE DE PULVERISATION MODIFIEE**
[72] COLLINSON, NIKKI, GB
[72] DAS, AVIJIT, GB
[72] RUDKIN, SCOTT, GB
[72] SZKLARZ, ANNE RENEE JEANNE, GB
[72] WITTY, CHRISTOPHER, GB
[71] RECKITT BENCKISER (BRANDS) LIMITED, GB
[85] 2018-03-01
[86] 2016-09-19 (PCT/GB2016/052918)
[87] (WO2017/046616)
[30] GB (1516547.5) 2015-09-18

[21] **2,997,208**
[13] A1
[51] **Int.Cl. G01H 9/00 (2006.01) G01L 7/00 (2006.01)**
[25] EN
[54] **OPTICAL SENSOR DEVICE WITH ENHANCED SHOCK ABSORPTION**
[54] **DISPOSITIF A CAPTEUR OPTIQUE PRESENTANT UNE MEILLEURE ABSORPTION DES CHOCS**
[72] KARABACAK, DEVREZ MEHMET, NL
[71] FUGRO TECHNOLOGY B.V., NL
[85] 2018-03-01
[86] 2016-09-07 (PCT/NL2016/050621)
[87] (WO2017/043968)
[30] NL (2015406) 2015-09-07

---

[21] **2,997,225**
[13] A1
[51] **Int.Cl. A61F 5/443 (2006.01) A61F 5/445 (2006.01) A61F 5/44 (2006.01) A61F 5/448 (2006.01)**
[25] EN
[54] **OSTOMY DEVICE**
[54] **DISPOSITIF DE STOMIE**
[72] OELLGAARD, CLAUS, DK
[72] PINHOLT, NIELS, DK
[71] COLOPLAST A/S, DK
[85] 2018-03-01
[86] 2016-09-09 (PCT/DK2016/050297)
[87] (WO2017/041807)
[30] DK (PA 2015 70585) 2015-09-11

---

[21] **2,997,235**
[13] A1
[51] **Int.Cl. B22D 18/04 (2006.01) B22D 27/04 (2006.01) B29C 33/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR COOLING MOLDS FOR METALS OR FOR METAL ALLOYS, AND MOLDING SET COMPRISING SAID COOLING SYSTEM AND AT LEAST ONE MOLD**
[54] **SYSTEME DE REFROIDISSEMENT DE MOULES POUR METAUX OU ALLIAGES METALLIQUES, ET ENSEMBLE DE MOULAGE COMPRENANT LEDIT SYSTEME DE REFROIDISSEMENT ET AU MOINS UN MOULE**
[72] PELLIZZON, IRENE, IT
[71] ALFI S.R.L., IT
[85] 2018-03-01
[86] 2016-08-26 (PCT/IB2016/055100)
[87] (WO2017/037592)
[30] IT (202015000048083) 2015-09-02

---

[21] **2,997,238**
[13] A1
[51] **Int.Cl. B32B 37/08 (2006.01) B29C 47/88 (2006.01) B29C 65/18 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF AN ELASTIC LAMINATE AND LAMINATED ELASTIC PRODUCT**
[54] **PROCEDE POUR LA PRODUCTION D'UN STRATIFIE ELASTIQUE ET PRODUIT ELASTIQUE STRATIFIE**
[72] ANGELI, PIETRO, IT
[72] CAIRA, ANTONIO, IT
[72] DI BENEDETTO, CARMINE, IT
[72] FORNONI, GIANLUIGI, IT
[71] PANTEX INTERNATIONAL S.P.A., IT
[85] 2018-03-01
[86] 2016-08-30 (PCT/IB2016/055167)
[87] (WO2017/037617)
[30] IT (UB2015A003333) 2015-09-01

---

[21] **2,997,272**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **SERVICE PROVIDING PLACE INFORMATION BASED SERVICE PROVIDING METHOD**
[54] **PROCEDE DE FOURNITURE DE SERVICE BASE SUR DES INFORMATIONS DE LIEU DE FOURNITURE DE SERVICE**
[72] OH, JUN-HO, KR
[72] CHEONG, HOE-SEOK, KR
[72] JO, YOUNG-JIN, KR
[71] YAP COMPANY, KR
[85] 2018-03-01
[86] 2015-09-18 (PCT/KR2015/009805)
[87] (WO2017/047844)

---

[21] **2,997,277**
[13] A1
[51] **Int.Cl. B41J 3/407 (2006.01) B41J 3/28 (2006.01) B41J 11/06 (2006.01)**
[25] EN
[54] **DEVICE FOR DIRECT TO GARMENT PRINTING**
[54] **DISPOSITIF DESTINE A L'IMPRESSION DIRECTE SUR UN VETEMENT**
[72] PERERA, PRINS, LK
[72] KUMARA, SAMAN, LK
[72] GUNASEKERA, KANCHANA, LK
[72] GUNASINGHE, CHAMIKA, LK
[72] DESHAPPRIYA, DINUSHKA, LK
[71] MAS INNOVATION (PRIVATE) LIMITED, LK
[85] 2018-03-01
[86] 2016-09-07 (PCT/SG2016/050437)
[87] (WO2017/044045)
[30] GB (1515777.9) 2015-09-07

[21] **2,997,308**
[13] A1
[51] **Int.Cl. C11B 1/04 (2006.01) C11B 1/10 (2006.01) C11B 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR A COMBINED CELL DIGESTION AND EXTRACTION OF OIL-CONTAINING SEEDS**
[54] **PROCEDE DE DESAGREGATION CELLULAIRE COMBINEE A UNE EXTRACTION DE GRAINES OLEAGINEUSES**
[72] BORNER, GUNTER, DE
[72] BRODKORB, SEBASTIAN, DE
[72] PUFKY-HEINRICH, DANIELA, DR., DE
[72] FRANKE, SANDRA, DE
[72] POLAGE, SARAH, DE
[72] ZANG, MARCUS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] B+B ENGINEERING GMBH, DE
[85] 2018-03-02
[86] 2016-09-03 (PCT/DE2016/000337)
[87] (WO2017/041776)
[30] DE (10 2015 011 889.7) 2015-09-11

---

[21] **2,997,314**
[13] A1
[51] **Int.Cl. A61B 17/29 (2006.01) A61B 34/00 (2016.01) A61B 34/30 (2016.01)**
[25] EN
[54] **SURGICAL INSTRUMENT**
[54] **INSTRUMENT CHIRURGICAL**
[72] SCHELTES, JULIEN SERGE, NL
[71] DEAM HOLDING B.V., NL
[85] 2018-03-02
[86] 2016-09-07 (PCT/NL2016/050623)
[87] (WO2017/043969)
[30] NL (2015423) 2015-09-10

---

[21] **2,997,338**
[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/60 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING VOLUMETRIC DATA OF A PREDETERMINED ANATOMICAL FEATURE**
[54] **PROCEDE ET APPAREIL PERMETTANT DE DETERMINER DES DONNEES VOLUMETRIQUES D'UNE CARACTERISTIQUE ANATOMIQUE PREDETERMINEE**
[72] HUSHEER, SHAMUS, GB
[71] HEARTFELT TECHNOLOGIES LIMITED, GB
[85] 2018-03-02
[86] 2016-09-02 (PCT/GB2016/052719)
[87] (WO2017/037472)
[30] GB (1515634.2) 2015-09-03

---

[21] **2,997,348**
[13] A1
[51] **Int.Cl. G01R 33/035 (2006.01)**
[25] EN
[54] **SUPERCONDUCTING DEVICE AND METHOD OF MANUFACTURING A SUPERCONDUCTING DEVICE**
[54] **DISPOSITIF SUPRACONDUCTEUR ET PROCEDE DE FABRICATION DE DISPOSITIF SUPRACONDUCTEUR**
[72] PETRASHOV, VICTOR TIKHONOVICH, GB
[72] CHECKLEY, CHRISTOPHER, GB
[71] ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE, GB
[85] 2018-03-02
[86] 2016-08-26 (PCT/GB2016/052664)
[87] (WO2017/037436)
[30] GB (1515620.1) 2015-09-03

---

[21] **2,997,364**
[13] A1
[51] **Int.Cl. C07D 409/06 (2006.01) A61K 31/4436 (2006.01) A61P 3/10 (2006.01) C07C 53/126 (2006.01)**
[25] EN
[54] **NOVEL PYRIDINIUM COMPOUNDS**
[54] **NOUVEAUX COMPOSES DE PYRIDINIUM**
[72] DUTT, CHAITANYA, IN
[72] GUPTA, RAMESHCHANDRA, IN
[72] PATEL, MANISH, IN
[72] ABRAHAM, JAYA, IN
[72] MISHRA, VIVEK, IN
[72] KESARWANI, AMIT, IN
[72] DESHPANDE, SHAILESH, IN
[72] ZAMBAD, SHITAL KUMAR, IN
[72] MATHUR, ANOOP, IN
[72] KOTECHA, JIGNESH, IN
[72] LATAD, SACHIN, IN
[72] CHAUDHARI, ANITA, IN
[71] TORRENT PHARMACEUTICALS LIMITED, IN
[85] 2018-03-01
[86] 2016-04-05 (PCT/IB2016/051917)
[87] (WO2016/162785)
[30] IN (1473/MUM/2015) 2015-04-08

---

[21] **2,997,377**
[13] A1
[51] **Int.Cl. C01B 33/193 (2006.01)**
[25] EN
[54] **SILICA SYNTHESIS**
[54] **SYNTHESE DE SILICE**
[72] PATWARDHAN, SIDDHARTH VIJAY, GB
[72] MANNING, JOSEPH RICHARD HENRY, GB
[71] UNIVERSITY OF SHEFFIELD, GB
[85] 2018-03-02
[86] 2016-09-01 (PCT/GB2016/052705)
[87] (WO2017/037460)
[30] GB (1515644.1) 2015-09-03

[21] **2,997,380**
[13] A1
[51] **Int.Cl. C12N 9/30 (2006.01) C07K 14/39 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **YEAST STRAINS FOR THE EXPRESSION AND SECRETION OF HETEROLOGOUS PROTEINS AT HIGH TEMPERATURES**
[54] **SOUCHES DE LEVURE DESTINEES A L'EXPRESSION ET LA SECRETION DE PROTEINES HETEROLOGUES A HAUTES TEMPERATURES**
[72] RICE, CHARLES F., US
[72] SKINNER, RYAN, US
[72] BARRETT, TRISHA, US
[72] ARGYROS, AARON, US
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[85] 2018-03-02
[86] 2016-08-29 (PCT/IB2016/055162)
[87] (WO2017/037614)
[30] US (62/214,412) 2015-09-04
[30] US (62/299,897) 2016-02-25

---

[21] **2,997,381**
[13] A1
[51] **Int.Cl. H04W 4/10 (2009.01) G08B 13/196 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR CONTROLLING A PLURALITY OF MOBILE-RADIO EQUIPPED ROBOTS IN A TALKGROUP**
[54] **PROCEDE, SYSTEME ET APPAREIL POUR COMMANDER UNE PLURALITE DE ROBOTS EQUIPES EN RADIOCOMMUNICATION MOBILE DANS UN GROUPE DE CONVERSATION**
[72] KOTLYAROV, YURY VLADIMIROVICH, RU
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2018-03-01
[86] 2015-09-11 (PCT/RU2015/000575)
[87] (WO2017/043996)

---

[21] **2,997,382**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4523 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/08 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED AMINO TRIAZOLES USEFUL AS HUMAN CHITINASE INHIBITORS**
[54] **TRIAZOLES AMINO-SUBSTITUES UTILES EN TANT QU'INHIBITEURS DE CHITINASE HUMAINE**
[72] MAZUR, MARZENA, PL
[72] KORALEWSKI, ROBERT, PL
[72] BOREK, BARTLOMIEJ, PL
[72] OLEJNICZAK, SYLWIA, PL
[72] CZESTKOWSKI, WOJCIECH J., PL
[72] PIOTROWICZ, MICHAL C., PL
[72] OLCZAK, JACEK P., PL
[72] GOLEBIOWSKI, ADAM A., PL
[72] BARTOSZEWICZ, AGNIESZKA, PL
[72] PLUTA, ELZBIETA, PL
[72] KOWALSKI, MICHAL L., PL
[71] ONCOARENDI THERAPEUTICS S.A., PL
[85] 2018-03-02
[86] 2016-09-02 (PCT/IB2016/055269)
[87] (WO2017/037670)
[30] US (62/214,299) 2015-09-04
[30] PL (415078) 2015-12-04

---

[21] **2,997,384**
[13] A1
[51] **Int.Cl. A61F 2/12 (2006.01) A61L 27/00 (2006.01)**
[25] EN
[54] **BIODEGRADABLE MEDICAL DEVICE FOR BREAST RECONSTRUCTION AND/OR AUGMENTATION**
[54] **DISPOSITIF MEDICAL BIODEGRADABLE POUR AUGMENTATION ET/OU RECONSTRUCTION MAMMAIRE**
[72] GERGES, IRINI, IT
[72] MARTELLO, FEDERICO, IT
[72] TAMPLENIZZA, MARGHERITA, IT
[72] TOCCHIO, ALESSANDRO, IT
[71] TENSIVE SRL, IT
[85] 2018-03-02
[86] 2016-09-01 (PCT/IB2016/055238)
[87] (WO2017/037649)
[30] IT (102015000047951) 2015-09-02

---

[21] **2,997,394**
[13] A1
[51] **Int.Cl. C07H 15/00 (2006.01) C07C 15/107 (2006.01) C07H 3/04 (2006.01) C07K 1/14 (2006.01) G01N 1/28 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **NOVEL XYLENE-BASED AMPHIPHILIC COMPOUND AND USE THEREOF**
[54] **NOUVEAU COMPOSE AMPHIPATHIQUE A BASE DE XYLENE ET SON UTILISATION**
[72] CHAE, PIL SEOK, KR
[72] CHO, KYUNG HO, KR
[71] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS, KR
[85] 2018-03-02
[86] 2016-04-15 (PCT/KR2016/003929)
[87] (WO2017/039107)
[30] KR (10-2015-0124705) 2015-09-03
[30] KR (10-2016-0045394) 2016-04-14

---

[21] **2,997,396**
[13] A1
[51] **Int.Cl. B60Q 1/02 (2006.01) F21S 2/00 (2016.01) H04N 5/225 (2006.01) H04N 5/33 (2006.01)**
[25] EN
[54] **ANTI-GLARE TYPE VEHICLE ROAD SIGNBOARD AND ROAD LANE IDENTIFICATION DEVICE**
[54] **PANNEAU INDICATEUR ROUTIER POUR VEHICULE DE TYPE ANTI-EBLOUISSEMENT ET DISPOSITIF D'IDENTIFICATION DE VOIE**
[72] KIM, SUG-BAE, KR
[72] NAM, JIN SOO, KR
[72] HA, HONG KI, KR
[72] KIM, SUN MI, KR
[72] KIM, JONG HO, KR
[71] KIM, SUG-BAE, KR
[71] NAM, JIN SOO, KR
[71] HA, HONG KI, KR
[71] KIM, SUN MI, KR
[71] KIM, JONG HO, KR
[85] 2018-03-02
[86] 2016-08-18 (PCT/KR2016/009059)
[87] (WO2017/039192)
[30] KR (10-2015-0124388) 2015-09-02

[21] **2,997,413**
[13] A1
[51] **Int.Cl. B29C 47/10 (2006.01) F04C 2/107 (2006.01) F04C 11/00 (2006.01) F04C 13/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR INJECTING A FLUID FORMULATION INTO A MELTED POLYMERIC MATERIAL**
[54] **APPAREIL ET PROCEDE D'INJECTION D'UNE FORMULATION LIQUIDE DANS UN MATERIAU POLYMERE FONDU**
[72] JONES, BRIAN, GB
[72] WHITEHEAD, DAVID, GB
[72] CAMPBELL, IAN, GB
[72] BAKER, HARRY, GB
[71] COLORMATRIX HOLDINGS, INC., US
[85] 2018-03-05
[86] 2016-09-09 (PCT/IB2016/055381)
[87] (WO2017/042726)
[30] GB (1516143.3) 2015-09-11

---

[21] **2,997,415**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/165 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **FILTERING SYRINGE**
[54] **SERINGUE MUNIE D'UN FILTRE**
[72] RA, YONG-KUK, KR
[71] RA, YONG-KUK, KR
[85] 2018-03-05
[86] 2016-09-06 (PCT/KR2016/009939)
[87] (WO2017/043830)
[30] KR (10-2015-0127942) 2015-09-09
[30] KR (10-2016-0034288) 2016-03-22

---

[21] **2,997,463**
[13] A1
[51] **Int.Cl. A61K 47/02 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/00 (2006.01) A61K 47/12 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL FORMULATIONS**
[54] **FORMULATIONS PHARMACEUTIQUES**
[72] DUTT, CHAITANYA, IN
[72] ABRAHAM, JAYA, IN
[72] MISHRA, VIVEK, IN
[72] KESARWANI, AMIT, IN
[72] GUPTA, RAMESH CHANDRA, IN
[72] DESHPANDE, SHAILESH, IN
[72] ZAMBAD, SHITAL KUMAR, IN
[72] MATHUR, ANOOP, IN
[72] KOTECHA, JIGNESH, IN
[72] LATAD, SACHIN, IN
[72] PATEL, MANISH, IN
[72] CHAUDHARI, ANITA, IN
[71] TORRENT PHARMACEUTICALS LIMITED, IN
[85] 2018-03-01
[86] 2016-04-05 (PCT/IB2016/051920)
[87] (WO2016/162787)
[30] IN (1475/MUM/2015) 2015-04-08

---

[21] **2,997,494**
[13] A1
[51] **Int.Cl. C11B 13/02 (2006.01) C10L 1/18 (2006.01) C10L 1/188 (2006.01) C10L 10/08 (2006.01)**
[25] FR
[54] **LUBRICITY ADDITIVE FOR FUEL WITH A LOW SULFUR CONTENT**
[54] **ADDITIF DE LUBRIFIANCE POUR CARBURANT A FAIBLE TENEUR EN SOUFRE**
[72] BEN SAHEL, HAKIM, FR
[72] LANGLOIS, OLIVIER, FR
[72] HEROU, JULIEN, FR
[72] GERMANAUD, LAURENT, FR
[71] TOTAL MARKETING SERVICES, FR
[85] 2018-03-01
[86] 2016-09-02 (PCT/FR2016/052168)
[87] (WO2017/037392)
[30] FR (1558161) 2015-09-03

---

[21] **2,997,514**
[13] A1
[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **INJECTION DEVICE**
[54] **DISPOSITIF D'INJECTION**
[72] GLOVER, ROBERT, GB
[72] WILLOUGHBY, ALASTAIR, GB
[72] HAWORTH, BRAD, GB
[71] CONSORT MEDICAL PLC, GB
[85] 2018-03-02
[86] 2016-08-19 (PCT/GB2016/052569)
[87] (WO2017/046556)
[30] GB (1516219.1) 2015-09-14

---

[21] **2,997,515**
[13] A1
[51] **Int.Cl. A23B 9/30 (2006.01) A23L 3/358 (2006.01)**
[25] EN
[54] **METHOD FOR THE REMOVAL OF MYCOTOXINS IN FOOD PRODUCTS**
[54] **PROCEDE D'ELIMINATION DES MYCOTOXINES DANS DES PRODUITS ALIMENTAIRES**
[72] AMADEI, ETTORE, IT
[71] ALMANOVA S.R.L., IT
[85] 2018-03-02
[86] 2016-08-30 (PCT/IB2016/055165)
[87] (WO2017/042660)
[30] IT (102015000049534) 2015-09-08

---

[21] **2,997,517**
[13] A1
[51] **Int.Cl. C08G 59/68 (2006.01) C08G 65/10 (2006.01)**
[25] EN
[54] **PROCESS FOR FRONTAL POLYMERIZATION OF CATIONICALLY POLYMERIZABLE MONOMERS**
[54] **PROCEDE DE POLYMERISATION FRONTALE DE MONOMERES POUVANT ETRE SOUMIS A UNE POLYMERISATION CATIONIQUE**
[72] LISKA, ROBERT, AT
[72] BOMZE, DANIEL, AT
[72] KERN, WOLFGANG, AT
[72] KNAACK, PATRICK, AT
[71] TECHNISCHE UNIVERSITAT WIEN, AT
[71] POLYMER COMPETENCE CENTER LEOBEN GMBH, AT
[85] 2018-03-02
[86] 2016-09-02 (PCT/AT2016/060047)
[87] (WO2017/035551)
[30] AT (A576/2015) 2015-09-02

[21] **2,997,519**
[13] A1
[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/4192 (2006.01) A61K 31/4196 (2006.01) A61K 31/47 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **POLYMER CONJUGATE COMPRISING A BIOACTIVE AGENT**
[54] **CONJUGUE DE POLYMERE COMPRENANT UN AGENT BIOACTIF**
[72] BIRKETT, STEPHEN LONSDALE, AU
[72] DONOHUE, ANDREW CRAIG, AU
[72] D'SOUZA, ASHA MARINA, AU
[72] NG, SARA MAN YEE, AU
[72] SULISTIO, ADRIAN, AU
[72] TAIT, RUSSELL JOHN, AU
[72] VALADE, DAVID, AU
[72] NAYLOR, ALAN, GN
[71] POLYACTIVA PTY LTD, AU
[85] 2018-03-02
[86] 2016-09-09 (PCT/AU2016/050850)
[87] (WO2017/041142)
[30] US (62/217,215) 2015-09-11

---

[21] **2,997,520**
[13] A1
[51] **Int.Cl. C04B 38/02 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **CATALYTICALLY ACTIVE FOAM FORMATION POWDER**
[54] **POUDRE DE FORMATION DE MOUSSE CATALYTIQUEMENT ACTIVE**
[72] GONZENBAUCH, URS T., CH
[72] STURZENEGGER, PHILIP NOAH, CH
[71] DE CAVIS AG, CH
[85] 2018-03-02
[86] 2016-08-30 (PCT/CH2016/000112)
[87] (WO2017/041189)
[30] EP (15002618.5) 2015-09-07

---

[21] **2,997,521**
[13] A1
[51] **Int.Cl. A23K 50/80 (2016.01) A23K 10/30 (2016.01) A23K 20/163 (2016.01)**
[25] EN
[54] **FEED COMPOSITION FOR PREVENTION AND TREATMENT OF PARASITE INFECTION OF FISH**
[54] **COMPOSITION ALIMENTAIRE POUR LA PREVENTION ET LE TRAITEMENT D'INFECTIONS PARASITAIRES DES POISSONS**
[72] PINO, JORGE, CL
[72] WADSWORTH, SIMON, NO
[72] JODAA HOLM, HELLE, NO
[72] SKUGOR, STANKO, NO
[71] EWOS INNOVATION AS, NO
[85] 2018-03-02
[86] 2016-09-05 (PCT/NO2016/000024)
[87] (WO2017/039454)
[30] NO (20151133) 2015-09-04

---

[21] **2,997,531**
[13] A1
[51] **Int.Cl. C07D 471/14 (2006.01) A61K 31/55 (2006.01) A61P 35/00 (2006.01) C07D 491/14 (2006.01) C07D 495/14 (2006.01) C07D 513/14 (2006.01)**
[25] EN
[54] **TRICYCLIC FUSED PYRIDIN-2-ONE DERIVATIVES AND THEIR USE AS BRD4 INHIBITORS**
[54] **DERIVES DE PYRIDIN-2-ONE TRICYCLIQUES FUSIONNES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE BRD4**
[72] MULAKALA, CHANDRIKA, IN
[72] PARIKH, PAYAL KIRAN, IN
[72] GONDRALA, PAVAN KUMAR, IN
[72] RAMAIAH, MANJUNATHA M, IN
[72] RAJAGOPAL, SRIDHARAN, IN
[72] SIVANANDHAN, DHANALAKSHMI, IN
[72] VADIVELU, SARAVANAN, IN
[72] CHINNAPATTU, MURUGAN, IN
[71] JUBILANT BIOSYS LIMITED, IN
[85] 2018-03-02
[86] 2016-09-08 (PCT/IN2016/050300)
[87] (WO2017/042834)
[30] IN (4781/CHE/2015) 2015-09-09

---

[21] **2,997,549**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/423 (2006.01) A61K 31/4365 (2006.01) A61K 31/5375 (2006.01) C07D 261/20 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **COMPOUND HAVING EFFECT OF INHIBITING PLATELET AGGREGATION AND SALT THEREOF, AND COMPOSITION FOR PREVENTING OR TREATING THROMBOTIC DISEASES, CONTAINING SAME**
[54] **COMPOSE AYANT POUR EFFET D'INHIBER L'AGREGATION PLAQUETTAIRE, SEL DE CELUI-CI, ET COMPOSITION DESTINEE A PREVENIR OU A TRAITER LES MALADIES THROMBOTIQUES LE CONTENANT**
[72] RYU, JEI MAN, KR
[72] LEE, DONG WON, KR
[72] LEE, KANG HYEOK, KR
[72] PARK, JIN HUN, KR
[72] CHO, GEUM SIL, KR
[72] LEE, KI SUNG, KR
[72] CHUNG, JIN HO, KR
[72] PARK, WOO ILE, KR
[72] LEE, JAE YOUNG, KR
[71] SHIN POONG PHARMACEUTICAL CO., LTD., KR
[85] 2018-03-02
[86] 2016-09-02 (PCT/KR2016/009859)
[87] (WO2017/039395)
[30] KR (10-2015-0125270) 2015-09-04

[21] **2,997,573**
[13] A1
[51] **Int.Cl. F01K 25/04 (2006.01) F22B 1/18 (2006.01)**
[25] EN
[54] **ORC FOR TRANSFORMING WASTE HEAT FROM A HEAT SOURCE INTO MECHANICAL ENERGY AND COMPRESSOR INSTALLATION MAKING USE OF SUCH AN ORC**
[54] **CYCLE DE RANKINE A CALOPORTEUR ORGANIQUE (ORC) PERMETTANT DE TRANSFORMER UNE CHALEUR RESIDUELLE PROVENANT D'UNE SOURCE DE CHALEUR EN ENERGIE MECANIQUE ET INSTALLATION DE COMPRESSEUR UTILISANT UN TEL ORC**
[72] OHMAN, HENRIK, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2018-03-05
[86] 2016-08-18 (PCT/BE2016/000038)
[87] (WO2017/041146)
[30] US (US 62/215,247) 2015-09-08
[30] BE (BE 2016/5643) 2016-08-17

---

[21] **2,997,574**
[13] A1
[51] **Int.Cl. G05B 13/02 (2006.01) G06N 5/04 (2006.01)**
[25] EN
[54] **METHOD OF GENERATING FUZZY KNOWLEDGE BASE FOR A PROGRAMMABLE FUZZY CONTROLLER**
[54] **PROCEDE DE GENERATION D'UNE BASE DE CONNAISSANCES FLOUE POUR UN CONTROLEUR FLOU PROGRAMMABLE**
[72] BITTENCOURT SANTIAGO, IGOR, BR
[72] DA SILVA, RONALDO ANTONIO, BR
[72] LAVIGNE HALLA, DANILO, BR
[71] I.SYSTEMS AUTOMACAO INDUSTRIAL S.A, BR
[85] 2018-03-05
[86] 2016-09-09 (PCT/BR2016/050226)
[87] (WO2017/041158)
[30] US (14/850,211) 2015-09-10

---

[21] **2,997,582**
[13] A1
[51] **Int.Cl. B01D 21/00 (2006.01) B01D 21/26 (2006.01) B08B 3/00 (2006.01) C22B 1/00 (2006.01) C23G 3/00 (2006.01)**
[25] EN
[54] **A METHOD FOR SEPARATING MILL SCALE FROM WASTEWATER**
[54] **PROCEDE DE SEPARATION DE CALAMINE PRESENTE DANS DES EAUX USEES**
[72] MA, NAIYANG, US
[71] ARCELORMITTAL, LU
[85] 2018-03-05
[86] 2016-09-06 (PCT/IB2016/001372)
[87] (WO2017/037540)
[30] US (62/214,550) 2015-09-04

---

[21] **2,997,602**
[13] A1
[51] **Int.Cl. A47J 27/00 (2006.01) G05D 23/19 (2006.01)**
[25] FR
[54] **METHOD FOR CONTROLLING A RICE COOKER AND RICE COOKER FOR IMPLEMENTING SUCH A METHOD**
[54] **PROCEDE DE COMMANDE D'UN CUISEUR A RIZ ET CUISEUR A RIZ POUR LA MISE EN OEUVRE D'UN TEL PROCEDE**
[72] GOYON, ANNABELLE, FR
[72] TORELLI, STEPHANIE, FR
[71] SEB S.A., FR
[85] 2018-03-05
[86] 2016-09-08 (PCT/FR2016/052250)
[87] (WO2017/042498)
[30] FR (1558354) 2015-09-09

---

[21] **2,997,616**
[13] A1
[51] **Int.Cl. H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 4/92 (2006.01) H01M 8/1018 (2016.01)**
[25] FR
[54] **P/METAL-N-C HYBRID CATALYST**
[54] **CATALYSEUR HYBRIDE DE TYPE P/METAL-N-C**
[72] SCHUPPERT, ANNA, DE
[72] JAOUEN, FREDERIC, FR
[72] JONES, DEBORAH, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[85] 2018-03-05
[86] 2016-09-12 (PCT/FR2016/052289)
[87] (WO2017/042520)
[30] FR (15/58452) 2015-09-11

---

[21] **2,997,633**
[13] A1
[51] **Int.Cl. B66B 23/04 (2006.01)**
[25] EN
[54] **DEVICE FOR DRIVING A HANDRAIL**
[54] **DISPOSITIF D'ENTRAINEMENT D'UNE MAIN COURANTE**
[72] VLASAK, PAVEL, CZ
[72] DRENCKO, JIRI, CZ
[71] INNOVA PATENT GMBH, AT
[85] 2018-03-06
[86] 2016-09-19 (PCT/AT2016/000083)
[87] (WO2017/044996)
[30] AT (A 610/2015) 2015-09-17

---

[21] **2,997,643**
[13] A1
[51] **Int.Cl. F03D 13/20 (2016.01)**
[25] EN
[54] **A TOWER SECTION FOR A TETHERED WIND TURBINE TOWER**
[54] **SECTION DE MAT DESTINEE A UN MAT D'EOLIENNE HAUBANE**
[72] LEIJTEN, EDGAR, DK
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2018-03-06
[86] 2016-09-09 (PCT/DK2016/050296)
[87] (WO2017/041806)
[30] DK (PA 2015 70584) 2015-09-11

[21] **2,997,653**
[13] A1
[51] **Int.Cl. A61B 17/29 (2006.01)**
[25] EN
[54] **LAPAROSCOPY FORCEPS**
[54] **PINCE DE C.LIOSCOPIE**
[72] BLANC, ALEXANDRE, FR
[71] AB MEDICA, FR
[85] 2018-03-06
[86] 2016-08-22 (PCT/FR2016/000131)
[87] (WO2017/042441)
[30] FR (15/01851) 2015-09-08

---

[21] **2,997,661**
[13] A1
[51] **Int.Cl. A61D 7/00 (2006.01) A61D 1/04 (2006.01) A61D 1/06 (2006.01) A61D 1/02 (2006.01)**
[25] EN
[54] **LIGATURES AND USE THEREOF**
[54] **LIGATURES ET LEUR UTILISATION**
[72] SMITH, ROBIN, GB
[72] MITCHELL, WILLIAM, GB
[72] RITCHIE, JOHN, GB
[72] HARRIS, THOMAS, GB
[72] ALDRIDGE, MICHAEL, GB
[72] ANUSAS, MICHAEL, GB
[72] PENVER, MARK, GB
[72] TARGELL, JOHN, GB
[71] 4C DESIGN LIMITED, GB
[71] MEAT & LIVESTOCK AUSTRALIA LIMITED, AU
[85] 2018-03-06
[86] 2015-11-24 (PCT/GB2015/053586)
[87] (WO2016/083799)
[30] GB (1420805.2) 2014-11-24

---

[21] **2,997,665**
[13] A1
[51] **Int.Cl. A61H 7/00 (2006.01) A61H 9/00 (2006.01) A61H 15/00 (2006.01)**
[25] EN
[54] **ABDOMINAL MASSAGE APPARATUS**
[54] **APPAREIL DE MASSAGE ABDOMINAL**
[72] WILHELMS, MARKUS, ES
[72] BENET POZO, MARC, ES
[72] CALZADA DEFEZ, ANGEL, ES
[72] HERRERO FRESNEDA, MARIA INMACULADA, ES
[71] USMIMA, S.L., ES
[85] 2018-03-06
[86] 2015-09-08 (PCT/IB2015/001576)
[87] (WO2017/042599)

---

[21] **2,997,675**
[13] A1
[51] **Int.Cl. E04B 1/10 (2006.01) E04C 2/34 (2006.01) E04C 3/12 (2006.01)**
[25] EN
[54] **A BUILDING SYSTEM AND MATERIAL**
[54] **SYSTEME ET MATERIAU DE CONSTRUCTION**
[72] BOLT, DIRK, GB
[71] T3 BUILDING SOLUTIONS LIMITED, GB
[85] 2018-03-06
[86] 2016-09-07 (PCT/GB2016/000162)
[87] (WO2017/042525)
[30] GB (GB1515774.6) 2015-09-07

---

[21] **2,997,677**
[13] A1
[51] **Int.Cl. B01L 1/02 (2006.01) B01L 3/00 (2006.01) B65B 17/02 (2006.01)**
[25] EN
[54] **TRANSFER DEVICE**
[54] **DISPOSITIF DE TRANSFERT**
[72] ECCLES, CHRISTOPHER, GB
[72] WYLIE, BENJAMIN, GB
[71] CHARGEPOINT TECHNOLOGY LTD, GB
[85] 2018-03-06
[86] 2016-08-26 (PCT/GB2016/052659)
[87] (WO2017/042536)
[30] GB (1515865.2) 2015-09-08

---

[21] **2,997,679**
[13] A1
[51] **Int.Cl. B29C 65/56 (2006.01) B29C 65/00 (2006.01) B29C 65/66 (2006.01) F16B 4/00 (2006.01)**
[25] EN
[54] **METHOD FOR DESIGNING AND FITTING, VIA INTERFERENCE, AN INSERT INTO AN OPENING IN A NON-METALLIC MATERIAL**
[54] **PROCEDE DE CONCEPTION ET DE RACCORDEMENT, PAR INTERFERENCE, D'UN INSERT DANS UNE OUVERTURE DANS UN MATERIAU NON METALLIQUE**
[72] HANNA, COLIN SAMUEL, GB
[72] WILSON, ROBERT SAMUEL, GB
[72] CAMPBELL, WILLIAM CHRISTOPHER, GB
[71] SHORT BROTHERS PLC, IE
[85] 2018-03-06
[86] 2016-09-09 (PCT/GB2016/052787)
[87] (WO2017/042573)
[30] GB (1516039.3) 2015-09-10

---

[21] **2,997,681**
[13] A1
[51] **Int.Cl. A61K 38/22 (2006.01) A61K 31/565 (2006.01)**
[25] EN
[54] **NOVEL THERAPY**
[54] **NOUVELLE THERAPIE**
[72] GARVIN, ROY, GB
[72] BURNS, ALASDAIR, GB
[71] BV BIOMED LTD, GB
[85] 2018-03-06
[86] 2016-09-09 (PCT/GB2016/052792)
[87] (WO2017/042577)
[30] GB (1516068.2) 2015-09-10

---

[21] **2,997,696**
[13] A1
[51] **Int.Cl. B29D 30/06 (2006.01)**
[25] EN
[54] **CERAMIC TIRE STUD**
[54] **CRAMPON CERAMIQUE POUR PNEU**
[72] MUN, DAE-YONG, KR
[71] MUN, DAE-YONG, KR
[85] 2018-03-06
[86] 2016-04-12 (PCT/KR2016/003852)
[87] (WO2017/090844)
[30] KR (10-2015-0163794) 2015-11-23

---

[21] **2,997,734**
[13] A1
[51] **Int.Cl. A23P 10/30 (2016.01) A23L 5/00 (2016.01) A23L 29/00 (2016.01) A23L 29/20 (2016.01) A61K 9/48 (2006.01) A61P 3/02 (2006.01) C12G 3/00 (2006.01)**
[25] EN
[54] **ENCAPSULATED FOOD PRODUCTS AND METHODS OF MAKING SAME**
[54] **PRODUITS ALIMENTAIRES ENCAPSULES ET PROCEDES POUR LES FABRIQUER**
[72] LECLAIR BISSON, DIANE, CA
[72] DESJARDINS, DAVID, CA
[71] PHOOD STATION, CA
[85] 2018-03-01
[86] 2014-09-10 (PCT/CA2014/050857)
[87] (WO2015/035513)

[21] **2,997,812**
[13] A1
[51] **Int.Cl. F23R 3/04 (2006.01) F01D 25/32 (2006.01) F02C 3/14 (2006.01) F02C 7/052 (2006.01)**
[25] FR
[54] **PARTICLE-TRAPPING DEVICE FOR A TURBOMACHINE AND TURBOMACHINE WITH SUCH A DEVICE**
[54] **DISPOSITIF DE PIEGEAGE DE PARTICULES POUR TURBOMACHINE ET TURBOMACHINE EQUIPEE D'UN TEL DISPOSITIF**
[72] PAILLARD, AMAURY, FR
[72] PASCAUD, STEPHANE, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2018-03-06
[86] 2016-09-08 (PCT/FR2016/052241)
[87] (WO2017/042493)
[30] FR (1558437) 2015-09-10

---

[21] **2,997,817**
[13] A1
[51] **Int.Cl. A61B 34/35 (2016.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 5/00 (2006.01) B25J 3/04 (2006.01) G05G 9/047 (2006.01)**
[25] EN
[54] **END EFFECTOR JOYSTICK FOR A POSITIONING DEVICE**
[54] **MANETTE DE COMMANDE D'EFFECTEUR TERMINAL POUR UN DISPOSITIF DE POSITIONNEMENT**
[72] BAILEY, BRENT ANDREW, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-03-06
[86] 2015-09-11 (PCT/CA2015/050882)
[87] (WO2017/041159)

---

[21] **2,997,863**
[13] A1
[51] **Int.Cl. A01N 37/02 (2006.01) A01N 37/06 (2006.01) A01N 37/44 (2006.01) A01N 47/44 (2006.01) A01P 7/00 (2006.01)**
[25] EN
[54] **INSECTICIDE/MITICIDE COMPOSITION BASED ON FATTY ACID SALTS**
[54] **COMPOSITION INSECTICIDE/ACARICIDE A BASE DE SELS D'ACIDE GRAS**
[72] JONES, OWEN THOMAS, GB
[72] LONG, MARK, GB
[71] NATURIOL BANGOR LIMITED, GB
[85] 2018-03-07
[86] 2016-09-07 (PCT/GB2016/052761)
[87] (WO2017/042554)
[30] GB (1515759.7) 2015-09-07

---

[21] **2,997,865**
[13] A1
[51] **Int.Cl. F04B 43/12 (2006.01)**
[25] EN
[54] **A PERISTALTIC PUMP**
[54] **POMPE PERISTALTIQUE**
[72] MEAD, ROBERT, GB
[72] BROKENSHIRE, STEVEN, GB
[71] WATSON-MARLOW LIMITED, GB
[85] 2018-03-07
[86] 2016-09-09 (PCT/GB2016/052799)
[87] (WO2017/042581)
[30] GB (1516145.8) 2015-09-11

---

[21] **2,997,868**
[13] A1
[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/438 (2006.01) A61K 31/499 (2006.01) A61K 31/5386 (2006.01) A61K 31/547 (2006.01) A61K 31/551 (2006.01) A61P 25/00 (2006.01) C07D 493/20 (2006.01) C07D 498/10 (2006.01) C07D 513/10 (2006.01)**
[25] EN
[54] **SPIROCYCLIC DERIVATIVES**
[54] **DERIVES SPIROCYCLIQUES**
[72] CREMONESI, SUSANNA, IT
[72] LUKER, TIM, GB
[72] SEMERARO, TERESA, IT
[72] MICHELI, FABRIZIO, IT
[71] CHRONOS THERAPEUTICS LIMITED, GB
[85] 2018-03-07
[86] 2015-09-14 (PCT/IB2015/057030)
[87] (WO2016/042452)
[30] GB (1416352.1) 2014-09-16

---

[21] **2,997,869**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4025 (2006.01) A61K 31/409 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/4545 (2006.01) A61P 25/00 (2006.01) C07D 211/48 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **N-(HETERO)ARYL-SUBSTITUTED HETEROYCLIC DERIVATIVES USEFUL FOR THE TREATMENT OF DISEASES OR CONDITIONS RELATED TO THE CENTRAL NERVOUS SYSTEM**
[54] **DERIVES HETEROCYCLIQUES SUBSTITUES PAR N-(HETERO)ARYLE UTILES POUR LE TRAITEMENT DE MALADIES OU D'AFFECTIONS LIEES AU SYSTEME NERVEUX CENTRAL**
[72] CREMONESI, SUSANNA, IT
[72] MICHELI, FABRIZIO, IT
[72] SEMERARO, TERESA, IT
[72] TARSI, LUCA, IT
[72] LUKER, TIM, GB
[72] LESLIE, COLIN, IT
[71] CHRONOS THERAPEUTICS LIMITED, GB
[85] 2018-03-07
[86] 2015-09-14 (PCT/IB2015/057031)
[87] (WO2016/042453)
[30] GB (1416351.3) 2014-09-16

---

[21] **2,997,889**
[13] A1
[51] **Int.Cl. F16H 61/32 (2006.01) F16H 61/00 (2006.01) F16H 61/28 (2006.01) F16H 63/30 (2006.01)**
[25] EN
[54] **METHOD FOR LEARNING THE NEUTRAL POSITION OF A GEAR SHIFT ACTUATOR**
[54] **PROCEDE D'APPRENTISSAGE DE LA POSITION NEUTRE D'UN ACTIONNEUR DE PASSAGE**
[72] MERIENNE, LUDOVIC, FR
[72] KETFI-CHERIF, AHMED, FR
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-03-07
[86] 2016-09-05 (PCT/FR2016/052188)
[87] (WO2017/042460)
[30] FR (1558446) 2015-09-10

[21] **2,997,900**
[13] A1
[51] **Int.Cl. F42B 5/16 (2006.01)**
[25] EN
[54] **PROPELLANT CHARGE**
[54] **CHARGE PROPULSIVE**
[72] VAN DRIEL, CHRISTOFFEL ADRIANUS, NL
[72] RAMLAL, DINESH RAVINDRE, NL
[72] ZEBREGS, MARTIJN, NL
[72] STRAATHOF, MICHIEL HANNES, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2018-03-07
[86] 2016-09-12 (PCT/NL2016/050630)
[87] (WO2017/043975)
[30] EP (15075042.0) 2015-09-10

---

[21] **2,997,901**
[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 28/00 (2006.01) E21B 33/124 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **A PLUGGING TOOL, AND METHOD OF PLUGGING A WELL**
[54] **OUTIL D'OBTURATION, ET PROCEDE D'OBTURATION DE PUITS**
[72] ABDOLLAH, JAFAR, NO
[72] CARLSEN, INGE MANFRED, NO
[72] FLO, RUNE, NO
[72] NYHAVN, FRIDTJOF, NO
[72] ESPE, EIRIK, NO
[71] WELLGUARD AS, NO
[85] 2018-03-07
[86] 2016-09-08 (PCT/NO2016/050185)
[87] (WO2017/043977)
[30] NO (20151176) 2015-09-11

---

[21] **2,997,905**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **FREQUENCY LOCATION OF A PCELL**
[54] **LOCALISATION DE FREQUENCE D'UNE CELLULE PRIMAIRE (PCELL)**
[72] KRONESTEDT, FREDRIC, SE
[72] LUNDEVALL, MAGNUS, SE
[72] OSTERLING, JACOB, SE
[72] EKEMARK, SVEN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-03-07
[86] 2015-09-08 (PCT/SE2015/050945)
[87] (WO2017/044018)

---

[21] **2,997,939**
[13] A1
[51] **Int.Cl. F01D 11/24 (2006.01) F01D 25/12 (2006.01) F02C 7/18 (2006.01)**
[25] FR
[54] **DEVICE FOR VENTILATION OF A TURBOMACHINE TURBINE CASING**
[54] **DISPOSITIF DE VENTILATION D'UN CARTER DE TURBINE D'UNE TURBOMACHINE**
[72] PELLATON, BERTRAND GUILLAUME ROBIN, FR
[72] JOUY, BAPTISTE MARIE AUBIN PIERRE, FR
[72] MOUSSETTE, ADRIEN, FR
[72] VILLARD, LOIC, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-03-06
[86] 2016-09-12 (PCT/FR2016/052292)
[87] (WO2017/046499)
[30] FR (1558619) 2015-09-15

---

[21] **2,997,956**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/416 (2006.01) A61K 31/427 (2006.01) A61K 31/428 (2006.01) A61K 31/4439 (2006.01) A61K 31/4545 (2006.01) A61P 25/00 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 417/06 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **FLUOROINDOLE DERIVATIVES AS MUSCARINIC M1 RECEPTOR POSITIVE ALLOSTERIC MODULATORS**
[54] **DERIVES DE FLUOROINDOLE EN TANT QUE MODULATEURS ALLOSTERIQUES POSITIFS DU RECEPTEUR MUSCARINIQUE M1**
[72] NIROGI, RAMAKRISHNA, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] MOHAMMED, ABDUL RASHEED, IN
[72] SUBRAMANIAN, RAMKUMAR, IN
[72] BENADE, VIJAY SIDRAM, IN
[72] BHYRAPUNENI, GOPINADH, IN
[72] JASTI, VENKATESWARLU, IN
[71] SUVEN LIFE SCIENCES LIMITED, IN
[85] 2018-03-07
[86] 2016-07-19 (PCT/IB2016/054290)
[87] (WO2017/042643)
[30] IN (4809/CHE/2015) 2015-09-10

---

[21] **2,997,996**
[13] A1
[51] **Int.Cl. B01D 1/00 (2006.01) F16K 17/16 (2006.01) G21C 9/008 (2006.01)**
[25] FR
[54] **DEVICE FOR CONVERTING A LIQUID INTO VAPOUR**
[54] **DISPOSITIF DE CONVERSION D'UN LIQUIDE EN VAPEUR**
[72] CHATROUX, ANDRE, FR
[72] GIROUD, PASCAL, FR
[72] GOUSSEAU, GEORGES, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2018-03-07
[86] 2016-08-30 (PCT/FR2016/052140)
[87] (WO2017/042449)
[30] FR (1558290) 2015-09-07

[21] **2,998,001**
[13] A1
[51] **Int.Cl. E21D 19/00 (2006.01) E21D 19/02 (2006.01) E21D 23/03 (2006.01)**
[25] EN
[54] **RAPID DEVELOPMENT MOBILE CANOPY FOR UNDERGROUND MINING**
[54] **ABRI MOBILE A DEVELOPPEMENT RAPIDE DESTINE A L'EXPLOITATION MINIERE SOUTERRAINE**
[72] ELLIOTT, RONALD P., CA
[72] KELSO, BRYAN, CA
[71] NORDIC MINESTEEL TECHNOLOGIES INC., CA
[85] 2018-03-12
[86] 2017-10-16 (PCT/CA2017/000223)
[87] (2998001)
[30] US (62/409,366) 2016-10-17

---

[21] **2,998,006**
[13] A1
[51] **Int.Cl. A01K 1/06 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **IMPROVED LOCKING DEVICE FOR A LIVESTOCK HEAD GATE**
[54] **DISPOSITIF DE BLOCAGE AMELIORE DESTINE A UNE PORTE CORNADIS**
[72] LANGRELL, STEPHEN ARTHUR, CA
[71] NORTHQUIP INC., CA
[85] 2018-03-13
[86] 2016-09-23 (PCT/CA2016/000241)
[87] (2998006)

---

[21] **2,998,010**
[13] A1
[51] **Int.Cl. A01K 1/06 (2006.01) A01K 1/062 (2006.01)**
[25] EN
[54] **LIVESTOCK HEAD HOLDER WITH SINGULAR OPERATING LEVER FOR CLOSING, UNLOCKING AND OPENING SAME**
[54] **SUPPORT DE TETE DE BETAIL DOTE D'UN LEVIER D'ACTIONNEMENT UNIQUE SERVANT A FERMER, DEBLOQUER ET OUVRIR LEDIT SUPPORT**
[72] FIRTH, PHILIP MALCOLM, CA
[71] NORTHQUIP INC., CA
[85] 2018-03-13
[86] 2016-11-15 (PCT/CA2016/051329)
[87] (2998010)

---

[21] **2,998,054**
[13] A1
[51] **Int.Cl. F16H 57/04 (2010.01) F02C 7/36 (2006.01) F02K 3/04 (2006.01)**
[25] EN
[54] **OIL SUPPLY DEVICE FOR AN EPICYCLIC REDUCTION GEAR SET**
[54] **DISPOSITIF D'ALIMENTATION EN HUILE POUR UN REDUCTEUR A TRAIN EPICYCLOIDAL**
[72] GEDIN, PATRICE, FR
[72] FERAUD, BENJAMIN, FR
[71] SAFRAN TRANSMISSION SYSTEMS, FR
[85] 2018-03-08
[86] 2016-09-08 (PCT/FR2016/052238)
[87] (WO2017/046481)
[30] FR (1558616) 2015-09-15

---

[21] **2,998,057**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] FR
[54] **METHOD AND DEVICE FOR SNP GENOTYPING**
[54] **PROCEDE ET DISPOSITIF POUR LE GENOTYPAGE DE SNP**
[72] BRES, JEAN-CHARLES, FR
[72] GOMEZ-MARTINEZ, JULIEN, FR
[71] ETABLISSEMENT FRANCAIS DU SANG, FR
[85] 2018-03-08
[86] 2016-09-09 (PCT/FR2016/052272)
[87] (WO2017/042509)
[30] FR (1558465) 2015-09-11

---

[21] **2,998,061**
[13] A1
[51] **Int.Cl. H01M 8/1004 (2016.01) H01M 8/0258 (2016.01) H01M 8/0263 (2016.01) H01M 8/04007 (2016.01) H01M 8/04225 (2016.01)**
[25] FR
[54] **FUEL CELL PROVIDED WITH A TEMPERATURE-CONTROL SYSTEM AND METHOD FOR THERMAL CONTROL OF THE CELL**
[54] **PILE A COMBUSTIBLE MUNIE D'UN SYSTEME DE REGULATION DE TEMPERATURE ET PROCEDE DE REGULATION THERMIQUE DE LA PILE**
[72] VERDIER, ANTOINE, FR
[72] HORDE, THEOPHILE, FR
[72] BOUDJEMAA, FABIEN, FR
[71] SAFRAN POWER UNITS, FR
[85] 2018-03-08
[86] 2016-09-12 (PCT/FR2016/052284)
[87] (WO2017/046495)
[30] FR (1558596) 2015-09-15

---

[21] **2,998,063**
[13] A1
[51] **Int.Cl. B03D 1/008 (2006.01) B03D 1/01 (2006.01) B03D 1/012 (2006.01) C22B 3/00 (2006.01)**
[25] FR
[54] **FLOTATION AGENT OF THIOL ETHER STRUCTURE**
[54] **AGENT DE FLOTTATION DE STRUCTURE THIOL ETHER**
[72] MONGUILLON, BERNARD, FR
[71] ARKEMA FRANCE, FR
[85] 2018-03-08
[86] 2016-09-16 (PCT/FR2016/052355)
[87] (WO2017/046543)
[30] FR (1558755) 2015-09-17

[21] **2,998,066**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 38/28 (2006.01) A61K 39/35 (2006.01)**
[25] EN
[54] **GLYCOTARGETING THERAPEUTICS**
[54] **AGENTS THERAPEUTIQUES DE GLYCOCIBLAGE**
[72] HUBBELL, JEFFREY A., CH
[72] WILSON, DAVID SCOTT, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE, CH
[85] 2018-03-08
[86] 2016-09-16 (PCT/IB2016/001411)
[87] (WO2017/046652)
[30] US (14/859,292) 2015-09-19
[30] US (15/185,564) 2016-06-17

---

[21] **2,998,088**
[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01)**
[25] EN
[54] **CHARACTERISATION OF DYNAMICAL PHYSICAL SYSTEMS**
[54] **CARACTERISATION DE SYSTEMES PHYSIQUES DYNAMIQUES**
[72] LEVY, MATTHEW CHASE, GB
[71] NOBLE ARTIFICIAL INTELLIGENCE, INC., US
[85] 2018-01-29
[86] 2016-05-25 (PCT/GB2016/051509)
[87] (WO2016/193672)
[30] GB (1509636.5) 2015-06-03

---

[21] **2,998,092**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 47/34 (2017.01) A61K 48/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING ANIONIC DRUG, AND PREPARATION METHOD THEREFOR**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN MEDICAMENT ANIONIQUE, ET SON PROCEDE DE PREPARATION**
[72] NAM, HYE YEONG, KR
[72] KIM, BONG-OH, KR
[72] SEO, MIN-HYO, KR
[72] SON, JI-YEON, KR
[72] CHOI, JI-HYE, KR
[72] KIM, SANG HOON, KR
[71] SAMYANG BIOPHARMACEUTICALS CORPORATION, KR
[85] 2018-03-08
[86] 2016-09-12 (PCT/KR2016/010269)
[87] (WO2017/048018)
[30] KR (10-2015-0130587) 2015-09-15
[30] KR (10-2016-0117053) 2016-09-12

---

[21] **2,998,098**
[13] A1
[51] **Int.Cl. H04N 19/00 (2014.01) H04N 19/105 (2014.01) H04N 19/134 (2014.01) H04N 19/176 (2014.01) H04N 19/50 (2014.01) H04N 19/52 (2014.01) H04N 19/59 (2014.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PROCESSING VIDEO SIGNAL**
[54] **PROCEDE ET DISPOSITIF POUR TRAITER UN SIGNAL VIDEO**
[72] LEE, BAE KEUN, KR
[72] KIM, JOO YOUNG, KR
[71] KT CORPORATION, KR
[85] 2018-03-08
[86] 2016-09-12 (PCT/KR2016/010278)
[87] (WO2017/043949)
[30] KR (10-2015-0128964) 2015-09-11
[30] KR (10-2015-0129439) 2015-09-14

---

[21] **2,998,105**
[13] A1
[51] **Int.Cl. C12P 5/02 (2006.01) A01G 18/00 (2018.01) A01H 1/04 (2006.01) A01H 15/00 (2006.01) C02F 11/04 (2006.01) C05F 5/00 (2006.01)**
[25] EN
[54] **AGROINDUSTRIAL PROCESS WITH MINIMAL ENVIRONMENTAL IMPACT**
[54] **PROCESSUS AGRO-INDUSTRIEL A L'IMPACT ENVIRONNEMENTAL MINIMAL**
[72] ROLLI, GIAN PAOLO, IT
[71] INDUSTRIE ROLLI ALIMENTARI S.P.A., IT
[85] 2018-03-08
[86] 2015-09-11 (PCT/IT2015/000220)
[87] (WO2017/042841)

---

[21] **2,998,113**
[13] A1
[51] **Int.Cl. F41C 23/06 (2006.01)**
[25] EN
[54] **RECOIL-DAMPING DEVICE**
[54] **DISPOSITIF D'AMORTISSEMENT DE RECUL**
[72] SCHONBORN, DAMIAN, AT
[72] KRONSTEINER, MARTIN, AT
[71] SCHONBORN, DAMIAN, AT
[85] 2018-03-07
[86] 2016-08-10 (PCT/AT2016/060027)
[87] (WO2017/044997)
[30] AT (A 50784/2015) 2015-09-14

---

[21] **2,998,192**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01)**
[25] EN
[54] **OVERHEAD LUGGAGE COMPARTMENT**
[54] **COMPARTIMENT A BAGAGES SURELEVE**
[72] SCHORKHUBER, JAKOB, AT
[71] FACC AG, AT
[85] 2018-03-09
[86] 2016-09-16 (PCT/AT2016/060061)
[87] (WO2017/045006)
[30] AT (A 50803/2015) 2015-09-18

[21] **2,998,230**
[13] A1
[51] **Int.Cl. C08J 5/04 (2006.01) B29B 9/14 (2006.01) C08J 3/12 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A LIGNOCELLULOSE PLASTIC COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU COMPOSITE A BASE DE MATIERE SYNTHETIQUE ET DE LIGNOCELLULOSE**
[72] KRAUSE, ANDREAS, DE
[72] MERTENS, OLIVER, DE
[72] KORDSACHIA, OTHAR, DE
[71] UNIVERSITAT HAMBURG, DE
[85] 2018-03-09
[86] 2016-08-16 (PCT/DE2016/200380)
[87] (WO2017/045676)
[30] DE (10 2015 115 472.2) 2015-09-14

---

[21] **2,998,273**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN AND RELATING TO SECURE TACTICAL NETWORKS**
[54] **AMELIORATIONS DANS ET EN RAPPORT AVEC LES RESEAUX TACTIQUES SECURISES**
[72] HUBBARD, ADRIAN CHRISTOPHER, GB
[72] RALLINGS, PAUL JOHN MICHAEL, GB
[72] BARTON, GREGORY WILLIAM JAMES, GB
[72] ELSON, CHRISTOPHER JOHN, GB
[71] BAE SYSTEMS PLC, GB
[85] 2018-03-09
[86] 2016-06-28 (PCT/GB2016/051934)
[87] (WO2017/042527)
[30] GB (1516118.5) 2015-09-11
[30] EP (15275201.0) 2015-09-11

---

[21] **2,998,275**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **IN VITRO METHOD FOR IDENTIFYING A PREGNANCY RELATED DISEASE**
[54] **PROCEDE IN VITRO POUR L'IDENTIFICATION D'UNE MALADIE ASSOCIEE A LA GROSSESSE**
[72] CHAPARRO PADILLA, ALEJANDRA, CL
[72] ILLANES LOPEZ, SEBASTIAN, CL
[71] UNIVERSIDAD DE LOS ANDES, CL
[85] 2018-03-09
[86] 2016-09-12 (PCT/IB2016/055426)
[87] (WO2017/042751)
[30] US (62/217,270) 2015-09-11
[30] EP (16161490.4) 2016-03-21

---

[21] **2,998,277**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01) F01D 9/04 (2006.01)**
[25] EN
[54] **NOZZLE SECTOR FOR A TURBINE ENGINE WITH DIFFERENTIALLY COOLED BLADES**
[54] **SECTEUR DE DISTRIBUTEUR POUR TURBOMACHINE AVEC DES AUBES REFROIDIES DE MANIERE DIFFERENTIELLE**
[72] BAUMAS, OLIVIER JEAN DANIEL, FR
[72] ARRAITZ, ANNE-MARIE, FR
[72] BEGUIN, ANTHONY PIERRE, FR
[72] DOUGLAS, PRAGASH, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-03-09
[86] 2016-09-15 (PCT/FR2016/052338)
[87] (WO2017/046534)
[30] FR (15 58759) 2015-09-17

---

[21] **2,998,289**
[13] A1
[51] **Int.Cl. C07C 67/08 (2006.01) C11C 3/02 (2006.01)**
[25] EN
[54] **GLYCEROL ESTER PRODUCTION FROM WASTES CONTAINING ORGANIC OILS AND/OR FATS**
[54] **PRODUCTION D'ESTER DE GLYCEROL A PARTIR DE DECHETS CONTENANT DES HUILES ET/OU DES GRAISSES ORGANIQUES**
[72] DOMINGUEZ DE MATOS, ANA LUISA, PT
[72] MORAIS SEQUEIRA, ALBINA RAQUEL, PT
[71] RESIWAY - SOLUCOES SUSTENTAVEIS, LDA., PT
[85] 2018-03-09
[86] 2016-09-12 (PCT/IB2016/055422)
[87] (WO2017/042750)
[30] PT (108810) 2015-09-11

---

[21] **2,998,291**
[13] A1
[51] **Int.Cl. A61K 31/22 (2006.01) A61K 31/365 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **ACETOGENIN MOLECULES HAVING ANTIPLATELET AND/OR ANTITHROMBIC ACTIVITIES, AND METHODS AND COMPOSITIONS THEREOF**
[54] **MOLECULES D'ACETOGENINE PRESENTANT UNE ACTIVITE ANTITHROMBIQUE ET/OU UNE ACTIVITE D'INHIBITION DE L'AGREGATION PLAQUETTAIRE, PROCEDES ET COMPOSITIONS ASSOCIES**
[72] HERNANDEZ BRENES, CARMEN, MX
[72] GARCIA RIVAS, GERARDO DE JESUS, MX
[72] TORRE AMIONE, GUILLERMO, MX
[72] RODRIGUEZ SANCHEZ, DARIANA GRACIELA, MX
[71] INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY, MX
[85] 2018-03-09
[86] 2015-09-23 (PCT/IB2015/002021)
[87] (WO2017/051208)

[21] **2,998,293**
[13] A1
[51] **Int.Cl. C01G 5/00 (2006.01)**
[25] EN
[54] **METHODS FOR OBTAINING SALTS OF SILVER(II) AND HYDRATES THEREOF, PRODUCTS OBTAINED BY THE METHODS AND USE OF THE SAME**
[54] **PROCEDES D'OBTENTION DE SELS D'ARGENT(II) ET D'HYDRATES DE CES DERNIERS, PRODUITS OBTENUS PAR LES PROCEDES ET LEUR UTILISATION**
[72] LESZCZYNSKI, PIOTR, PL
[72] BUDNIAK, ADAM KRZYSZTOF, PL
[72] ADAMCZYK, WOJCIECH MAREK, PL
[72] GAWRACKZYNSKI, JAKUB HENRYK, PL
[72] GILEWSKI, TOMASZ EDWARD, PL
[72] POLYCZYNSKI, PIOTR, PL
[72] JURCZAKOWSKI, RAFAL ROBERT, PL
[72] GROCHALA, WOJCIECH RAFAL, PA
[72] MAZEJ, ZORAN, SI
[71] UNIWERSYTET WARSZAWSKI, PL
[85] 2018-03-09
[86] 2016-09-12 (PCT/IB2016/001280)
[87] (WO2017/042624)
[30] PL (P.413922) 2015-09-11
[30] PL (P.416026) 2016-02-04
[30] PL (P.418465) 2016-08-25
[30] PL (P.418629) 2016-09-09
[30] PL (P.418630) 2016-09-09

[21] **2,998,295**
[13] A1
[51] **Int.Cl. G06Q 20/36 (2012.01)**
[25] EN
[54] **PROXY DEVICE FOR REPRESENTING MULTIPLE CREDENTIALS**
[54] **DISPOSITIF MANDATAIRE PERMETTANT DE REPRESENTER PLUSIEURS AUTHENTIFIANTS**
[72] CAIRNS, GEOFFREY IAN, US
[72] MAGES, KENNETH, US
[72] DRAKE, JAN, US
[72] MACDONALD, DANIEL J., US
[72] BAISCH, SCOTT CHARLES, US
[72] ENGELBERG, ALEX BENJAMIN, US
[72] MURRAY, PAUL, US
[72] MORGAN, ALAN J., US
[71] VERRENCY HOLDINGS LIMITED, SG
[85] 2018-03-09
[86] 2016-08-24 (PCT/IB2016/001395)
[87] (WO2017/042629)
[30] US (62/283,769) 2015-09-10
[30] US (15/245,519) 2016-08-24

[21] **2,998,309**
[13] A1
[51] **Int.Cl. E02D 17/13 (2006.01)**
[25] EN
[54] **DRILLING MACHINE**
[54] **MACHINE DE FORAGE**
[72] CASCARINO, SARA, FR
[72] PERPEZAT, DANIEL, FR
[72] PIVERT, LAURENT, FR
[72] BERNASINSKI, REGIS, FR
[71] SOLETANCHE FREYSSINET, FR
[85] 2018-03-09
[86] 2016-09-08 (PCT/FR2016/052247)
[87] (WO2017/042496)
[30] FR (1558426) 2015-09-10

[21] **2,998,312**
[13] A1
[51] **Int.Cl. C07K 14/245 (2006.01) C12N 9/04 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 15/70 (2006.01) C12P 13/12 (2006.01)**
[25] EN
[54] **NOVEL VARIANT OF O-PHOSPHOSERINE EXPORTER AND METHOD OF PRODUCING O-PHOSPHOSERINE, CYSTEINE, AND ITS DERIVATIVES USING THE SAME**
[54] **VARIANT NOVATEUR D'EXPORTATEUR O-PHOSPHOSERINE ET METHODE DE PRODUCTION D'O-PHOSPHOSERINE, DE CYSTEINE, ET SES DERIVES EMPLOYANT LEDIT VARIANT**
[72] KIM, SOL, KR
[72] KANG, MIN GYEONG, KR
[72] YOO, IN HWA, KR
[72] KIM, JONG HYUN, KR
[72] KIM, HYE WON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2018-03-09
[86] 2016-09-09 (PCT/KR2016/010168)
[87] (WO2017/043915)
[30] KR (10-2015-0129127) 2015-09-11

[21] **2,998,315**
[13] A1
[51] **Int.Cl. F16L 58/16 (2006.01) D01F 9/16 (2006.01) D01F 11/14 (2006.01) F16L 11/08 (2006.01)**
[25] EN
[54] **HIGH PRESSURE PIPE AND METHOD FOR PRODUCING SUCH PIPE**
[54] **TUYAU A HAUTE PRESSION ET PROCEDE DE FABRICATION D'UN TEL TUYAU**
[72] DALMOLEN, LAMBERTUS GERRIT PETER, NL
[71] PIPELIFE NEDERLAND B.V., NL
[85] 2018-03-09
[86] 2016-08-30 (PCT/NL2016/050604)
[87] (WO2017/048117)
[30] NL (2015434) 2015-09-14

[21] **2,998,440**
[13] A1
[51] **Int.Cl. F04D 29/26 (2006.01) F16D 9/06 (2006.01)**
[25] EN
[54] **FAN ROTATABLY CONNECTED TO A DRIVE SHAFT BY MEANS OF A FUSIBLE ELEMENT**
[54] **VENTILATEUR ROTATIVEMENT CONNECTE A UN ARBRE MOTEUR PAR L'INTERMEDIAIRE D'UN ELEMENT FUSIBLE**
[72] DEL RIO, FABIEN, FR
[72] GARCIA, FREDERIC, FR
[72] GAUHAROU, FRANCOIS, FR
[72] SALVADOR, RENE, FR
[71] SAFRAN ELECTRICAL & POWER, FR
[85] 2018-03-12
[86] 2016-09-09 (PCT/FR2016/052264)
[87] (WO2017/046490)
[30] FR (1558750) 2015-09-17

[21] **2,998,442**
[13] A1
[51] **Int.Cl. C08F 8/32 (2006.01) C08F 2/38 (2006.01) C08F 8/44 (2006.01) C08F 293/00 (2006.01) C10L 1/236 (2006.01) C10L 10/06 (2006.01)**
[25] FR
[54] **COPOLYMER THAT CAN BE USED AS DETERGENT ADDITIVE FOR FUEL**
[54] **COPOLYMERE UTILISABLE COMME ADDITIF DETERGENT POUR CARBURANT**
[72] PREVOST, JULIE, FR
[71] TOTAL MARKETING SERVICES, FR
[85] 2018-03-12
[86] 2016-09-15 (PCT/FR2016/052327)
[87] (WO2017/046526)
[30] FR (1558831) 2015-09-18

[21] **2,998,456**
[13] A1
[51] **Int.Cl. A61K 38/21 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS RELATING TO THE TREATMENT OF DISEASES**
[54] **COMPOSITIONS ET METHODES ASSOCIEES AU TRAITEMENT DE MALADIES**
[72] STIMSON, WILLIAM, GB
[71] ALFACYTE LTD, GB
[85] 2018-03-12
[86] 2016-09-14 (PCT/GB2016/052841)
[87] (WO2017/046583)
[30] GB (1516303.3) 2015-09-15
[30] GB (1516437.9) 2015-09-16

[21] **2,998,457**
[13] A1
[51] **Int.Cl. C02F 1/30 (2006.01) C02F 1/32 (2006.01) C02F 1/72 (2006.01)**
[25] EN
[54] **ROTATING CONTACTOR REACTOR**
[54] **REACTEUR A CONTACTEUR ROTATIF**
[72] HUDDERSMAN, KATHERINE, GB
[72] CHI TANGYIE, GEORGE, GB
[71] DE MONTFORT UNIVERSITY, GB
[85] 2018-03-12
[86] 2016-09-14 (PCT/GB2016/052849)
[87] (WO2017/046589)
[30] GB (1516253.0) 2015-09-14

[21] **2,998,465**
[13] A1
[51] **Int.Cl. G06F 9/445 (2018.01)**
[25] EN
[54] **APPLICATION PROVISIONING SYSTEM FOR REQUESTING CONFIGURATION UPDATES FOR APPLICATION OBJECTS ACROSS DATA CENTERS**
[54] **SYSTEME DE FOURNITURE D'APPLICATIONS POUR LA REQUETE DE MISES A JOUR DE CONFIGURATION POUR DES OBJETS D'APPLICATION A TRAVERS DES CENTRES DE DONNEES**
[72] PURUSOTHAMAN, ANAND, US
[72] PALANISAMY, MURALI, US
[71] APPVIEWX INC, US
[85] 2018-03-12
[86] 2016-09-08 (PCT/IB2016/055351)
[87] (WO2017/046679)
[30] US (14/853,249) 2015-09-14

[21] **2,998,570**
[13] A1
[51] **Int.Cl. E02D 29/14 (2006.01) E05B 13/00 (2006.01) E05B 15/12 (2006.01) E05B 17/18 (2006.01) E05B 35/00 (2006.01) E05C 9/00 (2006.01)**
[25] EN
[54] **MANHOLE COMPRISING A DEVICE FOR SAFETY CLOSING AND LOCKING THE MANHOLE**
[54] **REGARD COMPRENANT UN DISPOSITIF DE FERMETURE ET DE VERROUILLAGE DE SECURITE DU REGARD**
[72] DE SIENA, DAVIDE, IT
[71] DSG S.R.L., IT
[85] 2018-03-13
[86] 2016-09-13 (PCT/IB2016/055440)
[87] (WO2017/046696)
[30] IT (102015000051147) 2015-09-14

[21] **2,998,581**
[13] A1
[51] **Int.Cl. F02G 1/053 (2006.01)**
[25] FR
[54] **DUAL-ACTING EXPANSION CYLINDER WITH ADAPTIVE SUPPORT**
[54] **CYLINDRE DETENDEUR A DOUBLE EFFET A SUPPORT ADAPTATIF**
[72] RABHI, VIANNEY, FR
[71] RABHI, VIANNEY, FR
[85] 2018-03-13
[86] 2016-09-07 (PCT/FR2016/052232)
[87] (WO2017/046479)
[30] FR (1558585) 2015-09-14

---

[21] **2,998,687**
[13] A1
[51] **Int.Cl. A61B 5/16 (2006.01) G16H 50/20 (2018.01) A61B 5/00 (2006.01) A61B 5/1455 (2006.01) G06F 15/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING SUBLIMINAL FACIAL RESPONSES IN RESPONSE TO SUBLIMINAL STIMULI**
[54] **SYSTEME ET METHODE DE DETECTION DES REACTIONS FACIALES SUBLIMINALES EN REACTION A DES STIMULI SUBLIMINAUX**
[72] LEE, KANG, CA
[72] ZHENG, PU, CA
[72] POZZUOLI, MARZIO, CA
[71] NURALOGIX CORPORATION, CA
[85] 2018-03-21
[86] 2017-11-14 (PCT/CA2017/051355)
[87] (2998687)
[30] US (62/421,508) 2016-11-14

---

[21] **2,998,693**
[13] A1
[51] **Int.Cl. A47L 9/00 (2006.01) A47L 5/24 (2006.01) A47L 5/28 (2006.01) A47L 9/16 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR**
[72] DIMBYLOW, STEPHEN ROBERT, GB
[71] DYSON TECHNOLOGY LIMITED, GB
[85] 2018-03-14
[86] 2016-08-23 (PCT/GB2016/052609)
[87] (WO2017/046557)
[30] GB (1516496.5) 2015-09-17

---

[21] **2,998,696**
[13] A1
[51] **Int.Cl. A47L 5/24 (2006.01) A47L 5/28 (2006.01) A47L 9/16 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR**
[72] DIMBYLOW, STEPHEN ROBERT, GB
[71] DYSON TECHNOLOGY LIMITED, GB
[85] 2018-03-14
[86] 2016-08-23 (PCT/GB2016/052610)
[87] (WO2017/046558)
[30] GB (1516498.1) 2015-09-17

---

[21] **2,998,702**
[13] A1
[51] **Int.Cl. A47L 5/24 (2006.01) A47L 5/28 (2006.01) A47L 9/00 (2006.01)**
[25] EN
[54] **VACUUM CLEANER**
[54] **ASPIRATEUR**
[72] DIMBYLOW, STEPHEN ROBERT, GB
[71] DYSON TECHNOLOGY LIMITED, GB
[85] 2018-03-14
[86] 2016-08-23 (PCT/GB2016/052611)
[87] (WO2017/046559)
[30] GB (1516499.9) 2015-09-17

---

[21] **2,998,703**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **PAYMENT PROCESSING SYSTEM USING ENCRYPTED PAYMENT INFORMATION AND METHOD FOR PROCESSING THEREOF**
[54] **SYSTEME DE TRAITEMENT DE PAIEMENT UTILISANT DES INFORMATIONS DE PAIEMENT CHIFFREES, ET PROCEDE ASSOCIE**
[72] JEONG, HYE JIN, KR
[71] JINI CO., LTD, KR
[85] 2018-03-14
[86] 2016-01-07 (PCT/KR2016/000145)
[87] (WO2016/153159)
[30] KR (10-2015-0040710) 2015-03-24

---

[21] **2,998,704**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 40/00 (2012.01) H04L 9/32 (2006.01)**
[25] EN
[54] **ELECTRONIC FINANCIAL PROCESSING SYSTEM USING PERSONAL ATM TERMINAL AND METHOD FOR PROCESSING THEREOF**
[54] **SYSTEME DE TRAITEMENT FINANCIER ELECTRONIQUE EMPLOYANT UN TERMINAL DE GUICHET AUTOMATIQUE PERSONNEL ET METHODE DE TRAITEMENT ASSOCIEE**
[72] JEONG, HYE JIN, KR
[71] JINI CO., LTD., KR
[85] 2018-03-14
[86] 2016-09-12 (PCT/KR2016/010237)
[87] (WO2017/048005)
[30] KR (10-2015-0131733) 2015-09-17

---

[21] **2,998,705**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 3/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **1-PHENYLPYRROLIDIN-2-ONE DERIVATIVES AS PERK INHIBITORS**
[54] **DERIVES DE 1-PHENYLPYRROLIDIN-2-ONE COMME INHIBITEURS DE PERK**
[72] AXTEN, JEFFREY MICHAEL, US
[72] FAUCHER, NICOLAS ERIC, FR
[72] DAUGAN, ALAIN CLAUDE-MARIE, FR
[72] KETHIRI, RAGHAVA REDDY, IN
[72] KRISTAM, RAJENDRA, IN
[72] VENKATESHAPPA, CHANDREGOWDA, IN
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2018-03-14
[86] 2016-09-15 (PCT/IB2016/055504)
[87] (WO2017/046737)
[30] US (62/218,740) 2015-09-15
[30] US (62/318,321) 2016-04-05

[21] **2,998,707**
[13] A1
[51] **Int.Cl. F25B 9/14 (2006.01)**
[25] EN
[54] **THERMOACOUSTIC ENERGY CONVERSION SYSTEM**
[54] **SYSTEME DE CONVERSION D'ENERGIE THERMOACOUSTIQUE**
[72] DE BLOK, CORNELIS MARIA, NL
[71] SOUNDENERGY B.V., NL
[85] 2018-03-14
[86] 2015-09-17 (PCT/NL2015/050640)
[87] (WO2017/048116)

---

[21] **2,998,710**
[13] A1
[51] **Int.Cl. F16H 1/28 (2006.01)**
[25] EN
[54] **PRECISION PLANETARY GEAR**
[54] **ENGRENAGE PLANETAIRE DE PRECISION**
[72] FELISA, GIUSEPPE, IT
[72] FIORETTI, DANIELE, IT
[71] SAMP S.P.A. CON UNICO SOCIO, IT
[85] 2018-03-14
[86] 2016-09-16 (PCT/IB2016/055547)
[87] (WO2017/046767)
[30] IT (102015000052630) 2015-09-17

---

[21] **2,998,712**
[13] A1
[51] **Int.Cl. B29C 73/10 (2006.01) B64F 5/00 (2017.01) B29C 73/26 (2006.01)**
[25] EN
[54] **METHOD OF REPAIRING A COMPOSITE MATERIAL**
[54] **PROCEDE DE REPARATION D'UN MATERIAU COMPOSITE**
[72] HANNA, SAMUEL COLIN, GB
[72] ARMSTRONG, JOHN A., GB
[72] ROBB, STEVEN, GB
[72] BROWN, TOM, GB
[71] SHORT BROTHERS PLC, IE
[85] 2018-03-14
[86] 2016-09-12 (PCT/GB2016/052809)
[87] (WO2017/046573)
[30] GB (1516391.8) 2015-09-16

---

[21] **2,998,714**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 3/10 (2006.01) B32B 3/14 (2006.01) B32B 7/04 (2006.01) B32B 7/12 (2006.01) B32B 7/14 (2006.01) B32B 15/04 (2006.01) B32B 15/08 (2006.01) B32B 15/14 (2006.01) B64C 1/12 (2006.01)**
[25] EN
[54] **LAMINATE OF MUTUALLY BONDED ADHESIVE LAYERS AND METAL SHEETS, AND METHOD TO OBTAIN SUCH LAMINATE**
[54] **STRATIFIE DE COUCHES ADHESIVES ET DE FEUILLES METALLIQUES MUTUELLEMENT LIEES, ET PROCEDE D'OBTENTION D'UN TEL STRATIFIE**
[72] GUNNINK, JAN WILLEM, NL
[72] GUNNINK, SIMON, NL
[71] GTM-ADVANCED PRODUCTS B.V., NL
[85] 2018-03-14
[86] 2016-09-15 (PCT/NL2016/050636)
[87] (WO2017/048122)
[30] NL (2015437) 2015-09-15

---

[21] **2,998,721**
[13] A1
[51] **Int.Cl. H01R 13/18 (2006.01) B64G 1/42 (2006.01) B64G 1/58 (2006.01) H01R 13/04 (2006.01) H01R 13/627 (2006.01) H01R 13/64 (2006.01)**
[25] FR
[54] **DEVICE FOR ELECTRICAL CONNECTION, METHOD OF ASSEMBLING A FEMALE PART OF THIS CONNECTION DEVICE, SUPERINSULATING BLANKET AND SPACECRAFT**
[54] **DISPOSITIF DE CONNEXION ELECTRIQUE, PROCEDE D'ASSEMBLAGE D'UNE PARTIE FEMELLE DE CE DISPOSITIF DE CONNEXION, MATELAS SUPER ISOLANT ET ENGIN SPATIAL**
[72] CESARI, PHILIPPE, FR
[72] COTTIER, JACQUES, FR
[72] CLAUDET, VINCENT, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2018-03-14
[86] 2016-07-07 (PCT/FR2016/051737)
[87] (WO2017/006064)
[30] FR (1501460) 2015-07-09

---

[21] **2,998,722**
[13] A1
[51] **Int.Cl. B65D 83/38 (2006.01) B05B 11/00 (2006.01)**
[25] EN
[54] **SPRAYING DEVICE**
[54] **DISPOSITIF DE PULVERISATION**
[72] BUTLER, MARTIN, CN
[72] BRUNT, JAMES EDWARD, US
[72] DAS, AVIJIT, GB
[72] GAMBLE, RICHARD, GB
[72] WITTY, CHRISTOPHER, GB
[72] WOOLLEY, SIMON, GB
[72] SANDERS, DAVID, GB
[71] RECKITT BENCKISER (BRANDS) LIMITED, GB
[85] 2018-03-14
[86] 2016-09-19 (PCT/GB2016/052915)
[87] (WO2017/046615)
[30] GB (1516546.7) 2015-09-18

---

[21] **2,998,724**
[13] A1
[51] **Int.Cl. H01G 11/36 (2013.01) H01G 11/38 (2013.01) H01M 4/04 (2006.01) H01M 4/36 (2006.01) H01M 4/139 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **GRAPHENE DISPERSION, PROCESS FOR PRODUCING SAME, PROCESS FOR PRODUCING PARTICLES OF GRAPHENE/ACTIVE MATERIAL COMPOSITE, AND PROCESS FOR PRODUCING ELECTRODE PASTE**
[54] **DISPERSION DE GRAPHENE, SON PROCEDE DE PRODUCTION, PROCEDE DE PRODUCTION DE PARTICULES DE COMPOSITE DE GRAPHENE/MATERIAU ACTIF, ET PROCEDE DE PRODUCTION DE PATE D'ELECTRODE**
[72] MANABE, KOICHIRO, JP
[72] TAMAKI, EIICHIRO, JP
[72] KAWASAKI, MANABU, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-03-14
[86] 2016-09-09 (PCT/JP2016/076654)
[87] (WO2017/047521)
[30] JP (2015-184813) 2015-09-18

[21] **2,998,731**
[13] A1
[51] **Int.Cl. C04B 35/80 (2006.01) C04B 35/83 (2006.01)**
[25] FR
[54] **PART MADE OF A COMPOSITE MATERIAL**
[54] **PIECE EN MATERIAU COMPOSITE**
[72] DAMBRINE, BRUNO JACQUES GERARD, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-03-14
[86] 2016-09-15 (PCT/FR2016/052343)
[87] (WO2017/046538)
[30] FR (1558797) 2015-09-18

---

[21] **2,998,781**
[13] A1
[51] **Int.Cl. A61F 13/02 (2006.01) A61F 13/12 (2006.01) A61F 17/00 (2006.01)**
[25] EN
[54] **MEDICAL PLASTER**
[54] **PANSEMENT MEDICAL**
[72] STAVROU, PETROS, DE
[71] STAVROU, PETROS, DE
[71] POINTEK, ANDRE, DE
[85] 2018-03-15
[86] 2016-07-13 (PCT/DE2016/100314)
[87] (WO2017/045663)
[30] DE (20 2015 006 520.1) 2015-09-15
[30] DE (10 2015 118 780.9) 2015-11-03

---

[21] **2,998,787**
[13] A1
[51] **Int.Cl. B01D 53/88 (2006.01) A61L 9/20 (2006.01)**
[25] EN
[54] **ENCLOSED SPACE INCLUDING A PHOTOCATALYTIC COATING AND A LIGHTING SYSTEM**
[54] **ESPACE FERME INCLUANT UN REVETEMENT PHOTOCATALYTIQUE ET UN SYSTEME D'ECLAIRAGE**
[72] BERNARDONI, MASSIMO, GB
[72] CIANCI, ANTONIO, GB
[71] AM TECHNOLOGY LIMITED, GB
[85] 2018-03-15
[86] 2016-09-16 (PCT/GB2016/052889)
[87] (WO2017/046596)
[30] GB (1516363.7) 2015-09-16

---

[21] **2,998,789**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **VACCINE COMPOSITIONS COMPRISING C-C MOTIF CHEMOKINE 22 (CCL22) OR FRAGMENTS THEREOF**
[54] **COMPOSITIONS DE VACCIN COMPRENANT LA CHIMIOKINE 22 A MOTIF C-C (CCL22) OU DES FRAGMENTS DE CELLE-CI**
[72] ANDERSEN, MADS HALD, DK
[71] HERLEV HOSPITAL, DK
[85] 2018-03-15
[86] 2016-09-16 (PCT/DK2016/050301)
[87] (WO2017/045691)
[30] DK (PA 2015 70591) 2015-09-16

---

[21] **2,998,796**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PYRAZOLOPYRIMIDINE DERIVATIVES AS BTK INHIBITORS FOR THE TREATMENT OF CANCER**
[54] **DERIVES DE PYRAZOLOPYRIMIDINE COMME INHIBITEURS DE BTK POUR LE TRAITEMENT DU CANCER**
[72] GUISOT, NICOLAS, GB
[71] LOXO ONCOLOGY, INC., US
[85] 2018-03-15
[86] 2016-09-16 (PCT/GB2016/052897)
[87] (WO2017/046604)
[30] GB (1516445.2) 2015-09-16
[30] GB (1522246.6) 2015-12-16
[30] GB (1613947.9) 2016-08-15

---

[21] **2,998,822**
[13] A1
[51] **Int.Cl. A61B 1/307 (2006.01) A61M 3/02 (2006.01)**
[25] EN
[54] **ADAPTER, PROCESS AND USE FOR INSTILLATION OF AGENTS INTO THE BLADDER THROUGH THE URETHRA WITHOUT CATHETER**
[54] **ADAPTATEUR, PROCESSUS ET UTILISATION POUR INSTILLATION D'AGENTS DANS LA VESSIE PAR L'URETRE SANS CATHETER**
[72] LOVASZ, SANDOR, HU
[72] RENYI, GABOR, HU
[72] GIBER, JANOS, HU
[71] LOVASZ, SANDOR, HU
[71] RENYI, GABOR, HU
[71] GIBER, JANOS, HU
[85] 2018-03-15
[86] 2016-09-15 (PCT/HU2016/000063)
[87] (WO2017/046621)
[30] HU (P1500419) 2015-09-16
[30] HU (P1500648) 2015-12-23

---

[21] **2,998,825**
[13] A1
[51] **Int.Cl. C12N 15/52 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MODIFYING MESSENGER RNA STABILITY IN PLANT TRANSFORMATIONS**
[54] **MODIFICATION DE LA STABILITE DE L'ARN MESSAGER DANS DES TRANSFORMATIONS VEGETALES**
[72] STODDARD, THOMAS, US
[72] LUO, SONG, US
[71] CELLECTIS, FR
[85] 2018-03-15
[86] 2016-09-16 (PCT/IB2016/055554)
[87] (WO2017/046772)
[30] US (62/219,842) 2015-09-17
[30] US (15/056,544) 2016-02-29

[21] **2,998,829**
[13] A1
[51] **Int.Cl. G02B 21/36 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR DETECTING AN ENTITY IN A BODILY SAMPLE**
[54] **METHODES ET APPAREIL DE DETECTION D'ENTITE DANS UN ECHANTILLON CORPOREL**
[72] ESHEL, YOCHAY SHLOMO, IL
[72] LEZMY, NATALIE, IL
[72] GLUCK, DAN, IL
[72] HOURI YAFIN, ARNON, IL
[72] POLLAK, JOSEPH JOEL, IL
[71] S.D. SIGHT DIAGNOSTICS LTD, IL
[85] 2018-03-15
[86] 2016-09-15 (PCT/IL2016/051025)
[87] (WO2017/046799)
[30] US (62/219,889) 2015-09-17

---

[21] **2,998,830**
[13] A1
[51] **Int.Cl. C07F 5/04 (2006.01)**
[25] EN
[54] **POLYMORPHS OF IXAZOMIB CITRATE AND PROCESSES FOR THE PREPARATION THEREOF**
[54] **POLYMORPHES DE CITRATE D'IXAZOMIB ET LEURS PROCEDES DE PREPARATION**
[72] GORE, VINAYAK, IN
[72] JOSHI, RAJESH, IN
[72] TRIPATHI, ANIL, IN
[72] PATIL, MADHUKAR, IN
[72] JETTI, RAMAKOTESWARA RAO, IN
[72] INDUKURI, ANJANEYARAJU, IN
[72] SINGH, AMIT, IN
[72] GHOSH, SOUMYAJIT, IN
[71] MYLAN LABORATORIES LIMITED, IN
[85] 2018-03-15
[86] 2016-09-15 (PCT/IN2016/050311)
[87] (WO2017/046815)
[30] IN (4958/CHE/2015) 2015-09-16
[30] IN (5364/CHE/2015) 2015-10-07

---

[21] **2,998,841**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01)**
[25] EN
[54] **NOVEL LACTOBACILLUS HAVING VARIOUS FUNCTIONS, AND USE THEREOF**
[54] **NOUVEAU LACTOBACILLUS PRESENTANT DIVERSES FONCTIONS ET SON UTILISATION**
[72] KIM, DONG HYUN, KR
[72] HAN, MYUNG JOO, KR
[71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR
[71] NAVIPHARM CO, LTD, KR
[85] 2018-03-15
[86] 2016-09-07 (PCT/KR2016/009994)
[87] (WO2017/047968)
[30] KR (10-2015-0130124) 2015-09-15
[30] KR (10-2016-0005018) 2016-01-15

---

[21] **2,998,865**
[13] A1
[51] **Int.Cl. H03M 13/37 (2006.01) H04N 21/438 (2011.01) H04N 21/6375 (2011.01) H04N 21/6405 (2011.01) H04N 21/6408 (2011.01) H04N 19/895 (2014.01) H04L 1/18 (2006.01)**
[25] FR
[54] **METHOD FOR OPTIMISING THE TRANSMISSION OF VIDEO DATA STREAMS IN A WIRELESS NETWORK**
[54] **PROCEDE D'OPTIMISATION DE TRANSMISSION DE FLUX DE DONNEES VIDEO DANS UN RESEAU SANS FIL**
[72] KEIFLIN, PIERRE, FR
[72] CARNIEL, CHRISTOPHE, FR
[72] DEDISSE, DANIEL, FR
[71] VOGO, FR
[85] 2018-03-15
[86] 2016-09-15 (PCT/FR2016/052331)
[87] (WO2017/046528)
[30] FR (1558670) 2015-09-16

---

[21] **2,998,871**
[13] A1
[51] **Int.Cl. F21S 2/00 (2016.01) F21K 9/00 (2016.01) F21K 9/60 (2016.01) F21V 3/00 (2015.01)**
[25] EN
[54] **ILLUMINATION DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] WANG, TINGTING, CN
[72] LONG, QI, CN
[72] FANG, MIN, CN
[72] GAO, HONGLEI, CN
[72] QIN, SHUYI, CN
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2018-03-15
[86] 2016-09-19 (PCT/CN2016/099300)
[87] (WO2017/050194)
[30] CN (201510616378.9) 2015-09-24

---

[21] **2,998,877**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01)**
[25] EN
[54] **NOVEL LACTOBACILLUS AND COMPOSITION FOR PREVENTING, IMPROVING, OR TREATING DEGENERATIVE BRAIN DISEASES OR COGNITIVE FUNCTION DISORDERS**
[54] **NOUVEAU LACTOBACILLUS ET COMPOSITION POUR PREVENIR, ATTENUER OU TRAITER DES MALADIES CEREBRALES DEGENERATIVES OU DES TROUBLES DE LA FONCTION COGNITIVE**
[72] KIM, DONG HYUN, KR
[72] HAN, MYUNG JOO, KR
[71] UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, KR
[85] 2018-03-15
[86] 2016-09-06 (PCT/KR2016/009961)
[87] (WO2017/047962)
[30] KR (10-2015-0130124) 2015-09-15
[30] KR (10-2016-0001312) 2016-01-06

[21] **2,998,903**
[13] A1
[51] **Int.Cl. A63B 59/00 (2015.01)**
[25] EN
[54] **REMOVABLE AND RE-ATTACHABLE GOLF CLUB GRIP**
[54] **POIGNEE DE BATON DE GOLF AMOVIBLE ET RATTACHABLE**
[72] BARKER, DAVID A., US
[72] BAUDET, JEAN-PAUL, US
[71] READY GRIP TECHNOLOGIES, LLC, US
[85] 2018-03-15
[86] 2016-09-23 (PCT/IB2016/001531)
[87] (WO2017/046654)

---

[21] **2,998,989**
[13] A1
[51] **Int.Cl. C08B 3/02 (2006.01) C08B 3/06 (2006.01) C08J 5/18 (2006.01) C08L 1/02 (2006.01)**
[25] EN
[54] **NCC FILMS AND PRODUCTS BASED THEREON**
[54] **FILMS NCC ET PRODUITS A BASE DE CEUX-CI**
[72] SLATTEGARD, RIKARD, IL
[72] ROTH SHALEV, SIGAL, IL
[72] AZERRAF, CLARITE, IL
[72] NEVO, YUVAL, IL
[71] MELODEA LTD., IL
[85] 2018-03-16
[86] 2016-09-15 (PCT/IL2016/051024)
[87] (WO2017/046798)
[30] US (62/219, 816) 2015-09-17
[30] US (62/244, 243) 2015-10-21
[30] US (62/277,082) 2016-01-11

---

[21] **2,999,013**
[13] A1
[51] **Int.Cl. F04C 29/00 (2006.01) F04C 18/02 (2006.01) F16C 19/10 (2006.01) F16C 19/26 (2006.01) F16C 33/38 (2006.01)**
[25] EN
[54] **A SCROLL FLUID MACHINE HAVING A ROLLING SUPPORT DEVICE FOR THE ORBITING SCROLL UNIT**
[54] **UNE MACHINE DE MANUTENTION DE LIQUIDE A VIS HELICOIDALE COMPORTANT UN DISPOSITIF DE SUPPORT ROULANT DESTINE AU MODULE DE VIS HELICOIDALE ORBITANT**
[72] YOON, JEEN MOK, KR
[71] YOON, JEEN MOK, KR
[85] 2018-03-16
[86] 2016-09-19 (PCT/KR2016/010433)
[87] (WO2017/048110)
[30] KR (10-2015-0132644) 2015-09-18

---

[21] **2,999,348**
[13] A1
[51] **Int.Cl. B32B 15/08 (2006.01) B32B 33/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A SANDWICH STRUCTURE**
[54] **PROCEDE DE FABRICATION D'UNE STRUCTURE SANDWICH**
[72] JACQUET, DENIS, FR
[71] ARCELORMITTAL, LU
[85] 2018-01-05
[86] 2016-07-07 (PCT/IB2016/000972)
[87] (WO2017/006174)
[30] IB (PCT/IB2015/001135) 2015-07-07

---

[21] **2,999,425**
[13] A1
[51] **Int.Cl. A01N 43/66 (2006.01) A01N 43/72 (2006.01) A01N 43/74 (2006.01) A01N 43/86 (2006.01) C07D 285/125 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC TRIFLUOROALKENYL COMPOUNDS HAVING A NEMATOCIDAL ACTIVITY, THEIR AGRONOMIC COMPOSITIONS AND USE THEREOF**
[54] **COMPOSES DE TRIFLUOROALCENYLE HETEROCYCLIQUES PRESENTANT UNE ACTIVITE NEMATOCIDE, LEURS COMPOSITIONS AGRONOMIQUES ET UTILISATION ASSOCIEE**
[72] GUSMEROLI, MARILENA, IT
[72] SARGIOTTO, CHIARA, IT
[72] BIANCHI, DANIELE, IT
[72] BELLANDI, PAOLO, IT
[71] ISAGRO S.P.A., IT
[85] 2018-03-21
[86] 2016-09-23 (PCT/IB2016/055685)
[87] (WO2017/002100)
[30] IT (UB2015A003829) 2015-09-23

---

[21] **2,999,428**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **BIOMARKERS FOR CERVICAL CANCER**
[54] **BIOMARQUEURS DESTINES AU CANCER DU COL DE L'UTERUS**
[72] WISMAN, GIJSBERTHA BARENDINA ALIDA, NL
[72] VAN DER ZEE, ATE GERARD JAN, NL
[72] SCHUURING, EDUARDUS MARIA DOMINICUS, NL
[71] RIJKSUNIVERSITEIT GRONINGEN, NL
[71] ACADEMISCH ZIEKENHUIS GRONINGEN, NL
[85] 2018-03-21
[86] 2015-09-21 (PCT/NL2015/050650)
[87] (WO2016/048138)
[30] EP (14185831.6) 2014-09-22

[21] **2,999,615**
[13] A1
[51] **Int.Cl. C09K 8/58 (2006.01) C09K 8/524 (2006.01)**
[25] EN
[54] **MIXTURE OF COMPOUNDS, ORGANIC BASES, INORGANIC COMPOUNDS AND OXIDIZING COMPOUNDS USED IN THE PRODUCTION, IMPROVED RECOVERY AND TREATMENT OF LIG HT, MEDIUM, HEAVY, EXTRA HEAVY, HYDROCARBONS AND BITUMINOUS SANDS**
[54] **MELANGE DE COMPOSES, BASES ORGANIQUES, COMPOSES INORGANIQUES ET COMPOSES OXYDANTS UTILISE DANS LA PRODUCTION, LA RECUPERATION AMELIOREE ET LE TRAITEMENT D'HYDROCARBURES LEGERS, MOYENS, LOURDS, EXTRA-LOURDS ET DE SABLES BITUMEUX**
[72] MARTUCCI URDANETA, DAVID DE JESUS, PA
[72] JIMENEZ CUMARE, WILLIAM J., PA
[71] GLOBALQUIMICA A.L C,A, PA
[85] 2018-03-23
[86] 2014-12-02 (PCT/PA2014/000005)
[87] (WO2016/089230)

---

[21] **2,999,681**
[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01) A47G 7/02 (2006.01)**
[25] EN
[54] **PLANTING ASSEMBLIES**
[54] **ENSEMBLES DE PLANTATION**
[72] ROSS, GAVIN, GB
[71] ROSS, GAVIN, GB
[85] 2018-03-22
[86] 2015-09-23 (PCT/GB2015/052756)
[87] (WO2016/046547)
[30] GB (1416847.0) 2014-09-24
[30] GB (1501014.3) 2015-01-21

---

[21] **2,999,696**
[13] A1
[51] **Int.Cl. C12N 5/075 (2010.01) C12N 5/071 (2010.01)**
[25] EN
[54] **METHODS OF IN VITRO OOCYTE DEVELOPMENT**
[54] **PROCEDES DE DEVELOPPEMENT D'OVOCYTES IN VITRO**
[72] TELFER, EVELYN ELIZABETH, GB
[72] MCLAUGHLIN, MARIE, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[85] 2018-03-22
[86] 2015-09-24 (PCT/GB2015/052769)
[87] (WO2016/046557)
[30] GB (1416858.7) 2014-09-24

---

[21] **2,999,821**
[13] A1
[51] **Int.Cl. C12P 1/04 (2006.01) C12P 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING MICROBIAL PREPARATION AND MICROBIAL PREPARATION PRODUCED BY THE SAME**
[54] **PROCEDE POUR LA PREPARATION D'UNE PREPARATION MICROBIENNE DANS LEQUEL DE L'AGLYCONE S'ACCUMULE DANS DES CELLULES ET PREPARATION MICROBIENNE PREPAREE PAR CE PROCEDE**
[72] CHUNG, DAE KYUN, KR
[72] KIM, HANGEUN, KR
[72] LEE, SEUNG SU, KR
[72] JUNG, BONG JUN, KR
[72] KIM, HYE RIM, KR
[72] LEE, YOON DOO, KR
[72] PARK, JAE YEON, KR
[72] JEON, BORAM, KR
[72] KIM, SEONG JAE, KR
[71] RNA INC., KR
[85] 2018-03-23
[86] 2015-09-30 (PCT/KR2015/010325)
[87] (WO2016/053003)
[30] KR (10-2014-0131390) 2014-09-30

---

[21] **2,999,823**
[13] A1
[51] **Int.Cl. C07K 14/62 (2006.01) A61K 38/28 (2006.01) C07K 1/12 (2006.01) C07K 1/18 (2006.01) C07K 1/36 (2006.01) C12N 15/70 (2006.01)**
[25] EN
[54] **NOVEL INSULIN ANALOGS AND USE THEREOF**
[54] **NOUVEAUX ANALOGUES D'INSULINE ET LEUR UTILISATION**
[72] KIM, JIN YOUNG, KR
[72] OH, EUH LIM, KR
[72] LEE, JONG SOO, KR
[72] LIM, HYUNG KYU, KR
[72] CHOI, IN YOUNG, KR
[72] KWON, SE CHANG, KR
[71] HANMI PHARM. CO., LTD., KR
[85] 2018-03-23
[86] 2016-08-29 (PCT/KR2016/009606)
[87] (WO2017/039267)
[30] KR (10-2015-0121819) 2015-08-28

---

[21] **2,999,904**
[13] A1
[51] **Int.Cl. C01B 32/19 (2017.01) C01B 32/182 (2017.01) C01B 32/184 (2017.01)**
[25] EN
[54] **INDUSTRIAL METHOD FOR PREPARING LARGE-SIZED GRAPHENE**
[54] **PROCEDE INDUSTRIEL DE PREPARATION DE GRAPHENE DE GRANDE TAILLE**
[72] FENG, CHAOYANG, CN
[72] XU, DONGCHUN, CN
[71] SUZHOU CSTAR GRAPHENE TECHNOLOGY CO., LTD., CN
[71] FENG, CHAOYANG, CN
[71] XU, DONGCHUN, CN
[85] 2018-03-26
[86] 2015-10-23 (PCT/CN2015/092603)
[87] (WO2017/049693)
[30] CN (201510621739.9) 2015-09-25

[21] **2,999,945**
[13] A1
[51] **Int.Cl. B25J 21/02 (2006.01) B01L 1/04 (2006.01) B08B 15/02 (2006.01)**
[25] FR
[54] **PORTABLE CONTAINMENT DEVICE FOR MANIPULATING ORGANIC AND/OR CHEMICAL SUBSTANCES, AND REMOVABLE CONTAINMENT ENCLOSURE FOR SUCH A DEVICE**
[54] **DISPOSITIF PORTABLE DE CONFINEMENT POUR LA MANIPULATION DE SUBSTANCES BIOLOGIQUES ET/OU CHIMIQUES ET ENCEINTE DE CONFINEMENT AMOVIBLE POUR UN TEL DISPOSITIF**
[72] PARZY, DOMINIQUE, FR
[72] PARZY, SEBASTIEN, FR
[72] DESMOORT, CYRIL, FR
[71] K-PLAN, FR
[85] 2018-03-26
[86] 2015-09-26 (PCT/FR2015/052570)
[87] (WO2016/046507)
[30] FR (1459155) 2014-09-26
[30] FR (1462085) 2014-12-08

---

[21] **2,999,947**
[13] A1
[51] **Int.Cl. H04W 4/90 (2018.01) H04W 36/00 (2009.01)**
[25] FR
[54] **METHOD FOR PROCESSING REQUESTS TO TRANSFER EMERGENCY CALLS**
[54] **PROCEDE DE TRAITEMENT DE REQUETES DE TRANSFERT D'APPEL D'URGENCE**
[72] LOAEC, GUY, FR
[72] DOREE, JOSE, FR
[72] LE ROUZIC, JEAN-CLAUDE, FR
[71] ORANGE, FR
[85] 2018-03-26
[86] 2016-09-23 (PCT/FR2016/052412)
[87] (WO2017/055714)
[30] FR (1559234) 2015-09-30

---

[21] **3,000,091**
[13] A1
[51] **Int.Cl. A61B 18/04 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL SWITCH ASSEMBLY AND RELATED SYSTEMS AND METHODS**
[54] **MONTAGE DE COMMUTATEUR ELECTROCHIRURGICAL ET SYSTEMES ET PROCEDES ASSOCIES**
[72] WEBER, PAUL, US
[72] KANE, MARK, US
[71] WEBER, PAUL, US
[85] 2018-03-26
[86] 2016-03-24 (PCT/IB2016/051682)
[87] (WO2016/151526)
[30] US (14/752,946) 2015-03-24

---

[21] **3,000,100**
[13] A1
[51] **Int.Cl. A01G 18/00 (2018.01)**
[25] EN
[54] **METHOD OF PRODUCING MUSHROOMS**
[54] **PROCEDE DE PRODUCTION DE CHAMPIGNONS**
[72] BAGNATO, MAURIZIO, IT
[71] BAGNATO, MAURIZIO, IT
[85] 2018-03-27
[86] 2016-09-30 (PCT/IB2016/055876)
[87] (WO2017/056059)
[30] IT (102015000057159) 2015-10-01

---

[21] **3,000,121**
[13] A1
[51] **Int.Cl. F24V 30/00 (2018.01) F17C 11/00 (2006.01)**
[25] EN
[54] **HEAT GENERATING SYSTEM**
[54] **SYSTEME PRODUISANT DE LA CHALEUR**
[72] IWAMURA, YASUHIRO, JP
[72] ITO, TAKEHIKO, JP
[72] KASAGI, JIROTA, JP
[72] YOSHINO, HIDEKI, JP
[72] HATTORI, MASANAO, JP
[71] CLEAN PLANET INC., JP
[71] TOHOKU UNIVERSITY, JP
[85] 2018-03-27
[86] 2016-12-12 (PCT/JP2016/086878)
[87] (WO2017/104602)
[30] JP (2015-243890) 2015-12-15

---

[21] **3,000,156**
[13] A1
[51] **Int.Cl. G01B 9/02 (2006.01) G01B 11/06 (2006.01) G01M 11/00 (2006.01) G01M 11/02 (2006.01)**
[25] EN
[54] **DEVICE FOR MEASURING THE PARAMETERS OF PHASE ELEMENTS AND OPTICAL FIBER DISPERSION AND A METHOD OF MEASURING THE PARAMETERS OF PHASE ELEMENTS AND OPTICAL FIBER DISPERSION**
[54] **DISPOSITIF DE MESURE DES PARAMETRES D'ELEMENTS DE PHASE ET D'UNE DISPERSION DE FIBRES OPTIQUES ET PROCEDE DE MESURE DES PARAMETRES D'ELEMENTS DE PHASE ET D'UNE DISPERSION DE FIBRES OPTIQUES**
[72] STEPIEN, KAROL, PL
[72] JOZWIK, MICHALINA, PL
[72] NAPIERALA, MAREK, PL
[72] ZIOLOWICZ, ANNA, PL
[72] SZOSTKIEWICZ, LUKASZ, PL
[72] MURAWSKI, MICHAL, PL
[72] LIPINSKI, STANISLAW, PL
[72] HOLDYNSKI, ZBIGNIEW, PL
[72] STANCZYK, TOMASZ, PL
[72] NASILOWSKI, TOMASZ, PL
[71] POLSKIE CENTRUM FOTONIKI I SWIATLOWODOW, PL
[85] 2018-03-20
[86] 2015-11-30 (PCT/PL2015/050065)
[87] (WO2017/048141)
[30] PL (P.414064) 2015-09-18

[21] **3,000,237**
[13] A1
[51] **Int.Cl. A61K 31/435 (2006.01) A61K 31/245 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF EP4 RECEPTOR ANTAGONISTS FOR THE TREATMENT OF NSH-ASSOCIATED LIVER CANCER**
[54] **UTILISATION DES ANTAGONISTES DU RECEPTEUR EP4 POUR LE TRAITEMENT DE CANCER DU FOIE ASSOCIE A LA STEATOSE NON ALCOOLIQUE**
[72] OHTANI, NAOKO, JP
[72] KAMACHIM FUMITAKA, JP
[72] LOO, TZE MUN, JP
[72] KOIZUMI, SHINICHI, JP
[72] OKUMURA, TAKAKO, JP
[71] ASKAT INC., JP
[85] 2018-04-04
[86] 2017-11-02 (PCT/JP2017/039680)
[87] (3000237)
[30] US (15/343,999) 2016-11-04

---

[21] **3,000,291**
[13] A1
[51] **Int.Cl. G01N 33/543 (2006.01) C12Q 1/68 (2018.01)**
[25] FR
[54] **METHOD FOR IMMOBILISING A COMPOUND OF INTEREST ON A SUBSTRATE IN A GIVEN PATTERN AND KIT FOR IMPLEMENTING SAME**
[54] **PROCEDE D'IMMOBILISATION D'UN COMPOSE D'INTERET SUR UN SUPPORT SELON UN MOTIF DONNE ET KIT POUR SA MISE EN OEUVRE**
[72] FRANCOIS, JEAN-MARIE, FR
[72] FONCY, JULIE, FR
[72] TREVISIOL, EMMANUELLE, FR
[72] SEVERAC, CHILDERICK, FR
[71] DENDRIS, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2018-03-28
[86] 2015-10-28 (PCT/FR2015/052911)
[87] (WO2016/066963)

---

[21] **3,000,598**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) A61B 3/024 (2006.01) A61B 3/113 (2006.01)**
[25] EN
[54] **METHOD, SOFTWARE AND APPARATUS FOR TESTING A PATIENT'S VISUAL FIELD**
[54] **PROCEDE, LOGICIEL ET APPAREIL POUR TESTER LE CHAMP VISUEL D'UN PATIENT**
[72] DONALDSON, BLAIR, GB
[71] IBISVISION LIMITED, GB
[85] 2018-03-29
[86] 2015-09-23 (PCT/GB2015/052759)
[87] (WO2016/051136)
[30] GB (1417208.4) 2014-09-30

---

[21] **3,000,601**
[13] A1
[51] **Int.Cl. C12Q 1/44 (2006.01) C12Q 1/48 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **CYSTEINE LABELLING**
[54] **MARQUAGE DE CYSTEINE**
[72] VIRDEE, SATPAL, GB
[72] STANLEY, MATHEW, GB
[72] PAO, HUAN-CHAUN, GB
[71] UNIVERSITY OF DUNDEE, GB
[85] 2018-03-29
[86] 2015-09-30 (PCT/GB2015/052860)
[87] (WO2016/051174)
[30] GB (1417288.6) 2014-09-30

---

[21] **3,000,896**
[13] A1
[51] **Int.Cl. E04B 2/86 (2006.01)**
[25] EN
[54] **A FORMWORK SYSTEM**
[54] **SYSTEME DE COFFRAGE DE DALLES**
[72] HOWORTH, GRAEME CEDRIC, GB
[72] HOWORTH, MALCOLM CHARLES, GB
[71] TWINWALL ICF LIMITED, GB
[85] 2018-04-04
[86] 2014-10-15 (PCT/GB2014/000417)
[87] (WO2016/059357)

---

[21] **3,001,046**
[13] A1
[51] **Int.Cl. A23J 1/12 (2006.01) A23L 7/117 (2016.01) A23L 11/00 (2016.01) A23P 10/00 (2016.01) A23J 1/14 (2006.01) A23J 3/16 (2006.01) A23J 3/18 (2006.01) A23J 3/24 (2006.01) A23L 3/365 (2006.01) A23L 3/54 (2006.01)**
[25] EN
[54] **METHOD OF MAKING DRIED FOOD PRODUCTS**
[54] **PROCEDE DE FABRICATION DE PRODUITS ALIMENTAIRES SECHES**
[72] DURANCE, TIMOTHY D, CA
[72] ZHANG, GUOPENG, CA
[71] ENWAVE CORPORATION, CA
[85] 2018-04-05
[86] 2015-10-14 (PCT/CA2015/051034)
[87] (WO2017/063068)

---

[21] **3,001,098**
[13] A1
[51] **Int.Cl. A47C 27/06 (2006.01)**
[25] EN
[54] **PRESSURE CONTROL LAYER FOR A MATTRESS OR SEATING**
[54] **COUCHE DE REGULATION DE PRESSION POUR MATELAS OU SIEGE**
[72] TUTON, JOHN, GB
[71] MAMMOTH SPORT LIMITED, GB
[85] 2018-04-03
[86] 2016-04-04 (PCT/GB2016/050947)
[87] (WO2016/156880)
[30] GB (1505820.9) 2015-04-03

---

[21] **3,001,104**
[13] A1
[51] **Int.Cl. A23K 20/20 (2016.01) A23K 50/10 (2016.01) A61K 33/04 (2006.01) A61K 33/30 (2006.01) A61K 33/32 (2006.01) A61K 33/34 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **TRACE ELEMENT SOLUTION**
[54] **SOLUTION A BASE D'OLIGO-ELEMENTS**
[72] SMITH, WILLIAM ALFRED, IE
[71] WARBURTON TECHNOLOGY LIMITED, IE
[85] 2018-04-05
[86] 2015-10-09 (PCT/IB2015/057726)
[87] (WO2017/060757)

[21] **3,001,144**
[13] A1
[51] **Int.Cl. F24S 70/60 (2018.01) F24S 10/50 (2018.01) F24S 20/60 (2018.01) F24S 20/66 (2018.01) F24S 20/67 (2018.01) F24S 20/69 (2018.01) F24S 70/14 (2018.01) E04D 13/18 (2018.01)**
[25] EN
[54] **SOLAR THERMAL COLLECTOR**
[54] **CAPTEUR SOLAIRE A CONVERSION THERMIQUE**
[72] PERKINS, JASON DEAN, AU
[71] TRAC GROUP HOLDINGS LTD, AU
[85] 2018-04-06
[86] 2015-10-06 (PCT/AU2015/050604)
[87] (WO2017/059474)

---

[21] **3,001,310**
[13] A1
[51] **Int.Cl. A23K 50/70 (2016.01) A23K 20/10 (2016.01) A23K 20/111 (2016.01)**
[25] EN
[54] **BIRD FEED AND IN PARTICULAR POULTRY FEED, COMPRISING SYNTHETIC CAPSAICINOID DERIVATIVES AND SUCH FEED FOR PROHYLACTIC USE OR TREATMENT OF SALMONELLA INFECTION**
[54] **ALIMENT POUR OISEAUX ET EN PARTICULIER ALIMENT POUR LA VOLAILLE, COMPRENANT DES DERIVES CAPSAICINOIDES SYNTHETIQUES ET UTILISATION DE CET ALIMENT A DES FINS DE PROPHYLAXIE OU DE TRAITEMENT D'UNE INFECTION PAR LA SALMONELLE**
[72] HELSING, TORSTEN, NO
[71] AXICHEM AB, NO
[85] 2018-04-06
[86] 2015-10-09 (PCT/NO2015/050186)
[87] (WO2017/061871)

---

[21] **3,001,961**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0482 (2013.01) A61B 5/0476 (2006.01) A61F 4/00 (2006.01) A61G 5/04 (2013.01) G06F 3/023 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING ASSISTIVE TECHNOLOGIES AND RELATED METHOD**
[54] **SYSTEME DE COMMANDE DE TECHNOLOGIES D'ASSISTANCE ET PROCEDE ASSOCIE**
[72] FEDELE, PASQUALE, IT
[71] LIQUIDWEB S.R.L., IT
[85] 2018-04-13
[86] 2016-09-13 (PCT/IB2016/055442)
[87] (WO2017/046698)
[30] IT (102015000052009) 2015-09-16

---

[21] **3,001,981**
[13] A1
[51] **Int.Cl. A61K 31/23 (2006.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61P 3/04 (2006.01) C07C 219/30 (2006.01)**
[25] EN
[54] **BODY SCULPTING**
[54] **FACONNAGE DU CORPS**
[72] CREMERS, THOMAS, NL
[72] FLIK, GUNNAR, NL
[72] FRIJLINK, HENDERIK WILLEM, NL
[72] WOERDENBAG, HERMAN JOHAN, NL
[71] SCULPT B.V., NL
[85] 2018-04-13
[86] 2015-10-14 (PCT/NL2015/050722)
[87] (WO2016/060564)
[30] NL (2013634) 2014-10-14

---

[21] **3,002,243**
[13] A1
[51] **Int.Cl. A63B 55/60 (2015.01) A63B 55/30 (2015.01) B60B 19/12 (2006.01) B62B 1/14 (2006.01)**
[25] EN
[54] **GOLF BAG**
[54] **SAC DE GOLF**
[72] O'KEEFE, EAMONN, GB
[71] O'KEEFE, EAMONN, GB
[85] 2018-04-09
[86] 2016-08-17 (PCT/GB2016/052547)
[87] (WO2017/029500)
[30] GB (1514606.1) 2015-08-17

---

[21] **3,002,270**
[13] A1
[51] **Int.Cl. H02K 1/27 (2006.01) H02K 16/00 (2006.01)**
[25] EN
[54] **MAGNET MOTOR WITH ELECTROMAGNETIC DRIVE**
[54] **MOTEUR MAGNETIQUE A ENTRAINEMENT ELECTROMAGNETIQUE**
[72] IGWEMEZIE, JUDE, CA
[71] IGWEMEZIE, JUDE, CA
[85] 2018-04-20
[86] 2017-10-25 (PCT/CA2017/051271)
[87] (3002270)
[30] CA (2947812) 2016-11-07

---

[21] **3,002,315**
[13] A1
[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/0622 (2014.01) B23K 26/082 (2014.01) B23K 26/352 (2014.01)**
[25] EN
[54] **METHOD OF, AND APPARATUS FOR, LASER BLACKENING OF A SURFACE, WHEREIN THE LASER HAS A SPECIFIC POWER DENSITY AND/OR A SPECIFIC PULSE DURATION**
[54] **PROCEDE ET APPAREIL POUR LE NOIRCISSEMENT LASER D'UNE SURFACE, LE LASER AYANT UNE DENSITE DE PUISSANCE PRECISE ET/OU UNE DUREE D'IMPULSION PRECISE**
[72] ABDOLVAND, AMIN, GB
[71] UNIVERSITY OF DUNDEE, GB
[85] 2018-04-17
[86] 2016-06-24 (PCT/GB2016/051908)
[87] (WO2016/207659)
[30] GB (1511153.7) 2015-06-24
[30] GB (1511154.5) 2015-06-24
[30] GB (1517232.3) 2015-09-30
[30] GB (1517235.6) 2015-09-30
[30] GB (1603991.9) 2016-03-08

[21] **3,002,318**
[13] A1
[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/0622 (2014.01) B23K 26/082 (2014.01) B23K 26/352 (2014.01)**
[25] EN
[54] **METHOD OF, AND APPARATUS FOR, REDUCING PHOTOELECTRON YIELD AND/OR SECONDARY ELECTRON YIELD**
[54] **PROCEDE ET APPAREIL POUR REDUIRE LE RENDEMENT PHOTOELECTRONIQUE ET/OU LE RENDEMENT D'ELECTRONS SECONDAIRES**
[72] ABDOLVAND, AMIN, GB
[71] UNIVERSITY OF DUNDEE, GB
[85] 2018-04-17
[86] 2016-06-24 (PCT/GB2016/051909)
[87] (WO2016/207660)
[30] GB (1511154.5) 2015-06-24
[30] GB (1511153.7) 2015-06-24
[30] GB (1517232.3) 2015-09-30
[30] GB (1517235.6) 2015-09-30
[30] GB (1603991.9) 2016-03-08

---

[21] **3,002,493**
[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/00 (2006.01) A61K 31/519 (2006.01) A61K 47/12 (2006.01)**
[25] EN
[54] **METHOTREXATE FORMULATION**
[54] **FORMULATION DE METHOTREXATE**
[72] FRODSHAM, MICHAEL, GB
[72] PENTON, JULIE-ANN, GB
[71] THERAKIND LTD, GB
[85] 2018-04-18
[86] 2015-10-28 (PCT/GB2015/053231)
[87] (WO2016/067024)
[30] GB (1419261.1) 2014-10-29

---

[21] **3,002,519**
[13] A1
[51] **Int.Cl. A43C 15/06 (2006.01) A43C 15/02 (2006.01)**
[25] EN
[54] **CRAMPONS PROVIDED WITH SPIKES**
[54] **CRAMPONS DOTES DE CLOUS**
[72] CHOI, JINHONG, KR
[71] SNOWLINE CO., LTD., KR
[85] 2018-04-18
[86] 2017-08-24 (PCT/IB2017/055121)
[87] (WO2018/037378)
[30] US (62/380,359) 2016-08-26

---

[21] **3,002,593**
[13] A1
[51] **Int.Cl. G01G 19/02 (2006.01)**
[25] EN
[54] **WEIGHT MEASURING DEVICE AND MEASURING METHOD**
[54] **DISPOSITIF DE MESURE DE POIDS ET PROCEDE DE MESURE**
[72] JURIK, TOMAS, CZ
[72] URBAN, FRANTISEK, CZ
[72] HELAN, RADEK, CZ
[71] CROSS ZLIN, A.S., CZ
[71] NETWORK GROUP, S.R.O., CZ
[85] 2018-04-19
[86] 2016-09-13 (PCT/CZ2016/000101)
[87] (WO2017/045656)
[30] CZ (PV2015-639) 2015-09-18

---

[21] **3,002,735**
[13] A1
[51] **Int.Cl. G06F 21/64 (2013.01) G06F 21/73 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SECURE TRANSMISSION**
[54] **TRANSMISSION SECURISEE**
[72] RIDD, JOHN, GB
[72] DAVIES, PHIL, GB
[71] YRFREE TECHNOLOGIES LTD, GB
[85] 2018-04-20
[86] 2015-10-20 (PCT/GB2015/053132)
[87] (WO2016/063044)
[30] US (14/521,929) 2014-10-23

---

[21] **3,002,886**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) B82Y 5/00 (2011.01) B82Y 15/00 (2011.01) C12M 1/34 (2006.01) G01N 27/26 (2006.01) G01N 27/327 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **USE OF FLUOROPOLYMERS AS A HYDROPHOBIC LAYER TO SUPPORT LIPID BILAYER FORMATION FOR NANOPORE BASED DNA SEQUENCING**
[54] **UTILISATION DE POLYMERES FLUORES SOUS FORME D'UNE COUCHE HYDROPHOBE POUR SUPPORTER UNE FORMATION BICOUCHE LIPIDIQUE DE NANOPORES**
[72] FOSTER, JOHN, US
[72] HENCK, STEVEN, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-04-20
[86] 2016-10-21 (PCT/US2016/058230)
[87] (WO2017/070549)
[30] US (62/244,680) 2015-10-21

---

[21] **3,003,084**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **INTELLIGENT PERSONAL INFORMATION MANAGEMENT SYSTEM**
[54] **SYSTEME INTELLIGENT DE GESTION D'INFORMATIONS PERSONNELLES**
[72] ATANDA, DELE, GB
[71] ATANDA, DELE, GB
[85] 2018-04-23
[86] 2015-11-05 (PCT/GB2015/053360)
[87] (WO2016/063092)

---

[21] **3,003,196**
[13] A1
[51] **Int.Cl. F16B 5/02 (2006.01) F16B 5/06 (2006.01) F16B 37/04 (2006.01)**
[25] FR
[54] **SYSTEM FOR COVERING AND PROTECTING BURIED PIPES OR CABLES**
[54] **SYSTEME DE RECOUVREMENT ET DE PROTECTION DE CONDUITES OU CABLES ENTERRES**
[72] JOUBEAUX, YANNICK, FR
[71] JOUBEAUX, YANNICK, FR
[85] 2018-04-25
[86] 2015-12-09 (PCT/FR2015/053397)
[87] (WO2016/097535)
[30] FR (14/63032) 2014-12-19

---

[21] **3,003,388**
[13] A1
[51] **Int.Cl. H04W 88/06 (2009.01) H04W 16/14 (2009.01) H04W 28/20 (2009.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **UPLINK AND/OR DOWNLINK SIGNALING RELATED TO DIFFERENT RADIO ACCESS TECHNOLOGIES**
[54] **SIGNALISATION DE LIAISON MONTANTE ET/OU DESCENDANTE ASSOCIEE A DIFFERENTES TECHNOLOGIES D'ACCES RADIO**
[72] BALDEMAIR, ROBERT, SE
[72] PARKVALL, STEFAN, SE
[72] MILDH, GUNNAR, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-04-26
[86] 2015-11-10 (PCT/SE2015/051187)
[87] (WO2017/082780)

[21] **3,003,390**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WIRELESS COMMUNICATION**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION SANS FIL**
[72] SKOLD, JOHAN, SE
[72] BALDEMAIR, ROBERT, SE
[72] BJORKEGREN, HAKAN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-04-26
[86] 2016-10-19 (PCT/SE2016/051017)
[87] (WO2017/082795)
[30] US (62/253,901) 2015-11-11

[21] **3,003,397**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 47/30 (2006.01) A61P 17/00 (2006.01) A61P 25/20 (2006.01) A61P 25/22 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **DELIVERY SYSTEMS**
[54] **SYSTEMES D'ADMINISTRATION**
[72] ANDERSON, DAVID, US
[72] SCHINDLER, JORDAN, US
[72] GOEBEL, ERIK SCOTT, US
[71] TEXTILE-BASED DELIVERY, INC., US
[85] 2018-04-26
[86] 2015-10-29 (PCT/US2015/058059)
[87] (WO2016/069898)
[30] US (62/072,896) 2014-10-30

[21] **3,003,405**
[13] A1
[51] **Int.Cl. A61K 31/435 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **METHODS FOR LIMITING ACUTE KIDNEY INJURY**
[54] **PROCEDES POUR LIMITER UNE LESION RENALE AIGUE**
[72] HUDSON, BILLY G., US
[72] VOZIYAN, PAUL, US
[72] DECAESTECKER, MARK, US
[72] SKRYPNYK, NATALIYA, US
[71] VANDERBILT UNIVERSITY, US
[85] 2018-04-26
[86] 2015-11-10 (PCT/US2015/059843)
[87] (WO2016/077279)
[30] US (62/078,299) 2014-11-11
[30] US (62/130,435) 2015-03-09
[30] US (62/169,996) 2015-06-02

[21] **3,003,414**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TAX COLLECTION, ANALYSIS AND COMPLIANCE**
[54] **SYSTEMES ET PROCEDES DE COLLECTE, ANALYSE ET CONFORMITE D'IMPOTS**
[72] HERNDON, HOWARD, US
[72] SASSER, WILLIAM, US
[71] HERNDON, HOWARD, US
[71] SASSER, WILLIAM, US
[85] 2018-04-26
[86] 2016-10-26 (PCT/US2016/058884)
[87] (WO2017/075065)
[30] US (14/922,603) 2015-10-26

[21] **3,003,422**
[13] A1
[51] **Int.Cl. A61K 31/535 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **TREATMENT OF SMALL CELL LUNG CANCER WITH A PARP INHIBITOR**
[54] **TRAITEMENT DU CANCER DU POUMON A PETITES CELLULES AVEC UN INHIBITEUR DE PARP**
[72] FENG, YING, US
[72] POST, LEONARD E., US
[72] SHEN, YUQIAO, US
[72] RU, YUANBIN, US
[72] WANG, EVELYN, US
[72] YU, KAREN, US
[71] MEDIVATION TECHNOLOGIES LLC, US
[85] 2018-04-26
[86] 2016-10-26 (PCT/US2016/058928)
[87] (WO2017/075091)
[30] US (62/246,538) 2015-10-26

[21] **3,003,458**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-SIGLEC-9 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-SIGLEC-9 ET LEURS PROCEDES D'UTILISATION**
[72] ROSENTHAL, ARNON, US
[72] MONROE, KATE, US
[72] LEE, SEUNG-JOO, US
[71] ALECTOR LLC, US
[85] 2018-04-26
[86] 2016-10-28 (PCT/US2016/059443)
[87] (WO2017/075432)
[30] US (62/248,231) 2015-10-29

[21] **3,003,464**
[13] A1
[51] **Int.Cl. C25B 3/00 (2006.01) H01M 4/133 (2010.01) C25B 3/02 (2006.01)**
[25] EN
[54] **BIOELECTROCHEMICAL METHODS AND SYSTEMS FOR EFFICIENT PRODUCTION OF GRAPHENE OXIDE AND HYDROGEN**
[54] **PROCEDES ET SYSTEMES BIOELECTROCHIMIQUES POUR LA PRODUCTION EFFICACE D'OXYDE DE GRAPHENE ET D'HYDROGENE**
[72] JIN, SONG, US
[72] LI, RAN, US
[72] FALLGREN, PAUL, US
[72] JIN, KYLAN, US
[71] BEGO TECHNOLOGIES, LTD, CN
[85] 2018-04-26
[86] 2016-10-31 (PCT/US2016/059724)
[87] (WO2017/075592)
[30] US (62/249,227) 2015-10-31

[21] **3,003,465**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 38/00 (2006.01) A61K 38/26 (2006.01) A61P 3/10 (2006.01) C07K 14/435 (2006.01)**
[25] EN
[54] **NOVEL POLYPEPTIDES WITH IMPROVED PROTEOLYTIC STABILITY, AND METHODS OF PREPARING AND USING SAME**
[54] **NOUVEAUX POLYPEPTIDES PRESENTANT UNE MEILLEURE STABILITE ET PROCEDES DE PREPARATION ET D'UTILISATION ASSOCIES**
[72] KUMAR, KRISHNA, US
[72] MONTANARI, VITTORIO, US
[72] BEINBORN, MARTIN, US
[72] RAMAN, VENKATA, US
[71] TUFTS UNIVERSITY, US
[71] TUFTS MEDICAL CENTER, US
[85] 2018-04-26
[86] 2016-10-28 (PCT/US2016/059541)
[87] (WO2017/075505)
[30] US (62/247,493) 2015-10-28

---

[21] **3,003,495**
[13] A1
[51] **Int.Cl. H04B 1/12 (2006.01) H01Q 3/26 (2006.01) H04B 7/08 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR SUPPRESSING INTERFERING SIGNALS IN A SATELLITE PAYLOAD SIGNAL**
[54] **PROCEDE ET DISPOSITIF DE SUPPRESSION DE SIGNAL PARASITE DANS UN SIGNAL DE CHARGE UTILE D'UN SATELLITE**
[72] JACQUEY, NICOLAS, FR
[72] PEZET, BERNARD, FR
[72] DEPLANCQ, XAVIER, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2018-01-10
[86] 2016-07-08 (PCT/FR2016/051758)
[87] (WO2017/009562)
[30] FR (1556574) 2015-07-10

---

[21] **3,003,502**
[13] A1
[51] **Int.Cl. B22F 9/16 (2006.01) B01J 2/02 (2006.01) B22F 9/08 (2006.01)**
[25] EN
[54] **METAL POWDER ATOMIZATION MANUFACTURING PROCESSES**
[54] **PROCEDES DE FABRICATION D'ATOMISATION DE POUDRE METALLIQUE**
[72] LAROUCHE, FREDERIC, CA
[72] MARION, FREDERIC, CA
[72] BALMAYER, MATTHIEU, CA
[71] AP&C ADVANCED POWDERS AND COATINGS INC., CA
[85] 2018-04-27
[86] 2016-10-27 (PCT/CA2016/051240)
[87] (WO2017/070779)
[30] US (62/247,794) 2015-10-29

---

[21] **3,003,550**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/20 (2006.01)**
[25] EN
[54] **REAL-TIME VISUAL FEEDBACK FOR USER POSITIONING WITH RESPECT TO A CAMERA AND A DISPLAY**
[54] **RETROACTION VISUELLE EN TEMPS REEL POUR LE POSITIONNEMENT D'UN UTILISATEUR PAR RAPPORT A UNE CAMERA ET A UN AFFICHAGE**
[72] BUD, ANDREW, GB
[72] NEWELL, ANDREW, GB
[72] PALMER, JOE, GB
[71] IPROOV LIMITED, GB
[85] 2018-04-27
[86] 2015-11-20 (PCT/GB2015/000304)
[87] (WO2016/079464)
[30] US (62/082,665) 2014-11-21

---

[21] **3,003,553**
[13] A1
[51] **Int.Cl. F04B 1/12 (2006.01) F04B 17/03 (2006.01) F04B 49/00 (2006.01)**
[25] EN
[54] **ELECTROHYDRAULIC PROPORTIONAL PRESSURE CONTROL FOR OPEN CIRCUIT PUMP**
[54] **COMMANDE DE PRESSION PROPORTIONNELLE ELECTRO-HYDRAULIQUE POUR POMPE A CIRCUIT OUVERT**
[72] KHARPAS, ANIL BALASAHEB, IN
[72] PATIL, AVINASH DADASO, IN
[72] MALI, SANJAY DHONDAPPA, IN
[72] PANCHAL, AMIT RANJIT, IN
[72] ISAACS, ROBERT LESLIE, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2018-02-08
[86] 2016-08-09 (PCT/US2016/046193)
[87] (WO2017/027517)
[30] IN (2449/DEL/2015) 2015-08-10

---

[21] **3,003,581**
[13] A1
[51] **Int.Cl. D21C 1/02 (2006.01) D21C 1/04 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING CONCENTRATED HYDROLYSATE AFTER HYDROLYSIS OF CELLULOSE MATERIAL**
[54] **PROCEDE DE RECUPERATION D'HYDROLYSAT CONCENTRE APRES L'HYDROLYSE DE MATIERE DE CELLULOSE**
[72] LAMMI, LARI, FI
[72] KUUSISTO, PETTERI, FI
[72] ANTONSSON, STEFAN, SE
[72] MINNAAR, SANNET, ZA
[71] VALMET AB, SE
[85] 2018-04-27
[86] 2016-02-16 (PCT/SE2016/050117)
[87] (WO2017/142445)

[21] **3,003,587**
[13] A1
[51] **Int.Cl. A61B 8/08 (2006.01) A61B 8/00 (2006.01) A61B 8/14 (2006.01)**
[25] EN
[54] **ULTRASOUND PROBE WITH INTEGRATED NEEDLE ADVANCER**
[54] **SONDE A ULTRASONS AVEC AIGUILLE D'AVANCEMENT INTEGREE**
[72] COKER, JUSTIN JEFFREY, US
[72] HSU, KENNETH C., US
[71] AVENT, INC., US
[85] 2018-04-27
[86] 2016-09-15 (PCT/US2016/051873)
[87] (WO2017/074596)
[30] US (62/247,891) 2015-10-29

[21] **3,003,595**
[13] A1
[51] **Int.Cl. A61J 1/10 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **PORT WITH SEPTUM AND ETHYLENE/.ALPHA.-OLEFIN MULTI-BLOCK COPOLYMER**
[54] **PORT DOTE DE SEPTUM ET COPOLYMERE MULTIBLOC ETHYLENE/ALPHA-OLEFINE**
[72] FRANCA, MARCOS PINI, BR
[72] PEREIRA, BRUNO RUFATO, BR
[72] GERSTNER, RAIMUND, CO
[71] DOW GLOBAL TECHNOLOGIES, LLC, US
[85] 2018-04-27
[86] 2016-10-25 (PCT/US2016/058683)
[87] (WO2017/074948)
[30] US (62/248,613) 2015-10-30

[21] **3,003,712**
[13] A1
[51] **Int.Cl. G05D 1/10 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXECUTION OF RECOVERY ACTIONS ON AN UNMANNED AERIAL VEHICLE**
[54] **SYSTEMES ET PROCEDES D'EXECUTION D'ACTIONS DE RECUPERATION SUR UN VEHICULE AERIEN SANS PILOTE**
[72] STABLER, BENJAMIN STUART, US
[72] CLARK, ROBERT PARKER, US
[72] HALL-SNYDER, NATHANIEL, US
[72] DOERSCH, PAUL, US
[71] KESPRY INC., US
[85] 2018-04-30
[86] 2016-04-20 (PCT/US2016/028498)
[87] (WO2016/172251)
[30] US (14/693,734) 2015-04-22

[21] **3,003,717**
[13] A1
[51] **Int.Cl. C03B 11/12 (2006.01)**
[25] EN
[54] **GLASS SHEET PROCESSING SYSTEM HAVING COOLING OF CONVEYOR ROLLER ENDS**
[54] **SYSTEME DE TRAITEMENT DE VERRE A VITRES POURVU DE REFROIDISSEMENT DES EXTREMITES DE ROULEAU TRANSPORTEUR**
[72] SCHNABEL, JR. JAMES P., US
[72] NITSCHKE, DAVID B, US
[72] MUMFORD, EUSTICE H. (DECEASED), ZZ
[71] GLASSTECH, INC., US
[85] 2018-04-30
[86] 2016-10-12 (PCT/US2016/056498)
[87] (WO2017/078908)
[30] US (14/929,763) 2015-11-02

[21] **3,003,719**
[13] A1
[51] **Int.Cl. B60R 1/08 (2006.01)**
[25] EN
[54] **FILLING IN SURROUND VIEW AREAS BLOCKED BY MIRRORS OR OTHER VEHICLE PARTS**
[54] **REMPLISSAGE DE ZONES DE VUE PANORAMIQUE OBSTRUEES PAR DES RETROVISEURS ET AUTRES COMPOSANTS DE VEHICULE**
[72] KUEHNLE, ANDREAS U., US
[72] BOON, CATHY L., US
[72] LI, ZHENG, US
[72] MOLIN, HANS M., US
[72] GYORI, MARTON G., HU
[71] BENDIX COMMERICAL VEHICLE SYSTEMS LLC, US
[85] 2018-04-30
[86] 2016-10-27 (PCT/US2016/059036)
[87] (WO2017/075164)
[30] US (14/927,983) 2015-10-30

[21] **3,003,720**
[13] A1
[51] **Int.Cl. A62B 7/10 (2006.01) A61M 16/10 (2006.01) B01D 53/22 (2006.01) A62B 18/08 (2006.01)**
[25] EN
[54] **OXYGEN CONCENTRATING SELF-RESCUER DEVICE**
[54] **DISPOSITIF DE SAUVETAGE A CONCENTRATION D'OXYGENE**
[72] GIVENS, RICHARD, US
[72] KLEIN, JEROME A., US
[72] MCDORMAN, DAVID L., US
[72] REUTHER, JAMES J., US
[72] SEIDT, JEREMY D., US
[71] GIVENS, RICHARD, US
[71] KLEIN, JEROME A., US
[71] MCDORMAN, DAVID L., US
[71] REUTHER, JAMES J., US
[71] SEIDT, JEREMY D., US
[85] 2018-04-30
[86] 2016-10-29 (PCT/US2016/059610)
[87] (WO2017/075553)
[30] US (62/248,378) 2015-10-30

---

[21] **3,003,721**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **INHIBITORS OF RET**
[54] **INHIBITEURS DE RET**
[72] BRUBAKER, JASON D., US
[72] KIM, JOSEPH L., US
[72] WILSON, KEVIN J., US
[72] WILSON, DOUGLAS, US
[72] DIPIETRO, LUCIAN V., US
[71] BLUEPRINT MEDICINES CORPORATION, US
[85] 2018-04-30
[86] 2016-11-01 (PCT/US2016/059879)
[87] (WO2017/079140)
[30] US (62/249,784) 2015-11-02
[30] US (62/367,960) 2016-07-28

---

[21] **3,003,868**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/12 (2012.01) E21B 47/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WELLBORE LOGGING TO ADJUST FOR DOWNHOLE CLOCK DRIFT**
[54] **SYSTEMES ET PROCEDES POUR DIAGRAPHIE DE PUITS DE FORAGE POUR RATTRAPER UNE DERIVE D'HORLOGE DE FOND DE TROU**
[72] COOPER, PAUL ANDREW, US
[72] CHENG, ARTHUR CHUEN HON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-01
[86] 2015-12-17 (PCT/US2015/066379)
[87] (WO2017/105461)

---

[21] **3,003,870**
[13] A1
[51] **Int.Cl. A61G 7/00 (2006.01) A61G 7/005 (2006.01) A61G 7/015 (2006.01) A61G 7/018 (2006.01) A61G 7/07 (2006.01)**
[25] EN
[54] **MOBILE PATIENT BED**
[54] **LIT DE PATIENT MOBILE**
[72] CHRISTENSEN, STEVEN S., US
[72] LUCERO, ANTONIO D., US
[72] RILEY, BRIAN, US
[72] LAFAY, ERIC B., US
[72] SCOTT, DAVID D., US
[71] OPTIMEDICA CORPORATION, US
[85] 2018-05-01
[86] 2015-11-02 (PCT/US2015/058662)
[87] (WO2017/078675)

---

[21] **3,003,877**
[13] A1
[51] **Int.Cl. C12N 5/0786 (2010.01) C12N 5/078 (2010.01) C12N 15/00 (2006.01)**
[25] EN
[54] **METHOD OF MODIFYING MACROPHAGE DIFFERENTIATION AND IMMUNITY**
[54] **PROCEDE DESTINE A MODIFIER LA DIFFERENCIATION DES MACROPHAGES ET L'IMMUNITE**
[72] ZHU, ZHENGLUN, US
[71] ZHU, ZHENGLUN, US
[85] 2018-05-01
[86] 2016-11-10 (PCT/US2016/061310)
[87] (WO2017/083508)
[30] US (62/253,836) 2015-11-11

---

[21] **3,003,879**
[13] A1
[51] **Int.Cl. C08J 5/06 (2006.01) C09J 113/00 (2006.01) F16G 1/10 (2006.01) F16G 1/28 (2006.01)**
[25] EN
[54] **ADHESIVE TREATMENT FOR FIBER FOR POLYMER REINFORCEMENT AND REINFORCED PRODUCTS**
[54] **TRAITEMENT ADHESIF POUR FIBRE DE RENFORT POLYMERE ET PRODUITS RENFORCES**
[72] ANYAOGU, KELECHI C., US
[72] KNOX, JOHN GRAEME, US
[71] GATES CORPORATION, US
[85] 2018-05-01
[86] 2016-11-10 (PCT/US2016/061384)
[87] (WO2017/083557)
[30] US (62/254,172) 2015-11-11

---

[21] **3,003,882**
[13] A1
[51] **Int.Cl. H03F 3/217 (2006.01) H03F 1/56 (2006.01) H03F 3/19 (2006.01) H03F 3/24 (2006.01)**
[25] EN
[54] **CLASS E2 AMPLIFIER**
[54] **AMPLIFICATEUR DE CLASSE E2**
[72] MAYO, GABRIEL ISAAC, US
[72] WHEATLEY, CHARLES EDWARD, US
[72] HUYNH, PHUONG, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-01
[86] 2016-11-16 (PCT/US2016/062131)
[87] (WO2017/105732)
[30] US (62/266,747) 2015-12-14
[30] US (15/152,660) 2016-05-12

---

[21] **3,003,885**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G06F 19/28 (2011.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **DISTRIBUTED SYSTEMS FOR SECURE STORAGE AND RETRIEVAL OF ENCRYPTED BIOLOGICAL SPECIMEN DATA**
[54] **SYSTEMES DISTRIBUES POUR UN STOCKAGE ET UNE EXTRACTION SECURISES DE DONNEES DE SPECIMEN BIOLOGIQUE CHIFFREES**
[72] WARNER, AMELIA WALL, US
[72] COLLINS, MARK ANTHONY, US
[71] GLOBAL SPECIMEN SOLUTIONS, INC., US
[85] 2018-05-01
[86] 2016-11-18 (PCT/US2016/062718)
[87] (WO2017/087769)
[30] US (62/256,759) 2015-11-18

[21] **3,003,897**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) G06F 3/048 (2013.01)**
[25] EN
[54] **KEYBOARD APPLICATION WITH THIRD PARTY ENGAGEMENT SELECTABLE ITEMS**
[54] **APPLICATION CLAVIER AVEC ELEMENTS SELECTIONNABLES EN PARTICIPATION AVEC UNE TIERCE PARTIE**
[72] SZETO, MARGARET, US
[72] ZHAO, PENG, US
[72] TRIVEDI, PRERAK DIWAKAR, US
[72] KLIMOVICH, DZIYANA NIKOLAEVNA, US
[72] MUCHANG, YOBEL, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2018-05-01
[86] 2016-10-21 (PCT/US2016/058105)
[87] (WO2017/116535)
[30] US (14/985,067) 2015-12-30

---

[21] **3,003,900**
[13] A1
[51] **Int.Cl. A45D 24/10 (2006.01) A41D 19/015 (2006.01) A45D 24/14 (2006.01) A46B 5/02 (2006.01) A46B 5/04 (2006.01)**
[25] EN
[54] **A COMB AND A THERMAL PROTECTIVE GLOVE THAT EMPLOYS THE COMB**
[54] **PEIGNE ET GANT DE PROTECTION THERMIQUE QUI UTILISE LE PEIGNE**
[72] DAVIS, STEVEN D., US
[71] IRON ARMOUR, LLC, US
[85] 2018-05-01
[86] 2016-11-01 (PCT/US2016/059941)
[87] (WO2017/079173)
[30] US (14/930,320) 2015-11-02

---

[21] **3,003,901**
[13] A1
[51] **Int.Cl. C03B 23/03 (2006.01) C03B 11/00 (2006.01) C03B 11/16 (2006.01) C03B 23/00 (2006.01) C03B 23/02 (2006.01)**
[25] EN
[54] **GLASS SHEET MOLD APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE MOULAGE DE VERRES A VITRE**
[72] NITSCHKE, DAVID B., US
[72] NITSCHKE, DEAN M., US
[72] SCHNABEL, JAMES P., JR., US
[71] GLASSTECH, INC., US
[85] 2018-05-01
[86] 2016-11-02 (PCT/US2016/059992)
[87] (WO2017/079200)
[30] US (62/249,661) 2015-11-02

---

[21] **3,003,902**
[13] A1
[51] **Int.Cl. A61K 6/00 (2006.01) A61K 6/10 (2006.01)**
[25] EN
[54] **HYDROPHILIC IMPRESSION MATERIAL WITH IMPROVED STORAGE STABILITY**
[54] **MATERIAU D'EMPREINTE HYDROPHILE PRESENTANT UNE MEILLEURE STABILITE EN STOCKAGE**
[72] ANGELETAKIS, CHRISTOS, US
[71] DENTSPLY SIRONA INC., US
[85] 2018-05-01
[86] 2016-11-02 (PCT/US2016/060042)
[87] (WO2017/079239)
[30] US (62/249,509) 2015-11-02

---

[21] **3,003,903**
[13] A1
[51] **Int.Cl. A01H 5/10 (2018.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **WHEAT STRIPE RUST RESISTANCE GENES AND METHODS OF USE**
[54] **GENES DE RESISTANCE A LA ROUILLE JAUNE DU BLE ET PROCEDES D'UTILISATION**
[72] MOSCOU, MATTHEW JAMES, GB
[72] DAWSON, ANDREW MARC, GB
[71] TWO BLADES FOUNDATION, US
[85] 2018-05-01
[86] 2016-11-02 (PCT/US2016/060101)
[87] (WO2017/079286)
[30] US (62/250,136) 2015-11-03

---

[21] **3,003,904**
[13] A1
[51] **Int.Cl. C08L 97/02 (2006.01) B09B 3/00 (2006.01) C04B 12/00 (2006.01) C04B 12/04 (2006.01) C04B 18/14 (2006.01) C04B 18/24 (2006.01) C04B 22/06 (2006.01)**
[25] EN
[54] **LIGNOCELLULOSIC AND GEOPOLYMER COMPOSITE SYNERGIES AND POLYMER-BASED ADDITIVES FOR GEOPOLYMER COMPOSITE**
[54] **SYNERGIES DE COMPOSITES LIGNOCELLULOSIQUES ET GEOPOLYMERES ET ADDITIFS A BASE DE POLYMERE POUR COMPOSITE GEOPOLYMERE**
[72] HAVERHALS, LUKE, US
[71] BRADLEY UNIVERSITY, US
[85] 2018-05-01
[86] 2016-11-02 (PCT/US2016/060149)
[87] (WO2017/079324)
[30] US (62/249,765) 2015-11-02
[30] US (62/293,172) 2016-02-09
[30] US (62/377,316) 2016-08-19

---

[21] **3,003,905**
[13] A1
[51] **Int.Cl. C22C 38/02 (2006.01) C22C 38/08 (2006.01) C22C 38/54 (2006.01)**
[25] EN
[54] **LAYERED CONSTRUCTION OF IN-SITU METAL MATRIX COMPOSITES**
[54] **CONSTRUCTION EN COUCHES DE COMPOSITES A MATRICE METALLIQUE IN SITU**
[72] TUFFILE, CHARLES D., US
[72] LEMKE, HARALD, US
[72] MACK, PATRICK E., US
[71] THE NANOSTEEL COMPANY, INC., US
[85] 2018-05-01
[86] 2016-11-02 (PCT/US2016/060185)
[87] (WO2017/079351)
[30] US (62/249,642) 2015-11-02

[21] **3,003,906**
[13] A1
[51] **Int.Cl. C07D 491/22 (2006.01) A61K 31/4745 (2006.01)**
[25] EN
[54] **NANO- AND MICRO-SIZED PARTICLES OF 20-CAMPTOTHECIN OR DERIVATIVE THEREOF AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME, AND TREATMENT OF CANCERS THEREWITH**
[54] **PARTICULES DE NANO- ET MICRO-TAILLES DE 20-CAMPTOTHECINE OU SON DERIVE ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT, ET TRAITEMENT DES CANCERS AVEC CES DERNIERES**
[72] CHEN, WENHAO, SG
[72] ZHANG, JIYAO, SG
[72] CAO, ZHISONG, US
[71] CAO PHARMACEUTICALS INC., US
[85] 2018-05-01
[86] 2016-11-03 (PCT/US2016/060203)
[87] (WO2017/083151)
[30] US (14/938,057) 2015-11-11

---

[21] **3,003,907**
[13] A1
[51] **Int.Cl. G01B 9/02 (2006.01) A61B 3/00 (2006.01) A61B 3/10 (2006.01)**
[25] EN
[54] **SIGNAL EXTRACTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'EXTRACTION DE SIGNAL**
[72] RAYMOND, THOMAS D., US
[72] NEAL, ISAAC, US
[72] HAMRICK, DANIEL R., US
[72] SHAY, THOMAS M., US
[71] AMO WAVEFRONT SCIENCES, LLC, US
[85] 2018-05-01
[86] 2016-11-03 (PCT/US2016/060281)
[87] (WO2017/079408)
[30] US (62/250,433) 2015-11-03

---

[21] **3,003,908**
[13] A1
[51] **Int.Cl. A61K 35/741 (2015.01) A61K 35/744 (2015.01) A61K 35/745 (2015.01) A61K 9/48 (2006.01) A61K 35/74 (2015.01) A61K 45/06 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **THERAPEUTIC MICROBIOTA FOR THE TREATMENT AND/OR PREVENTION OF FOOD ALLERGY**
[54] **MICROBIOTE THERAPEUTIQUE POUR LE TRAITEMENT ET/OU LA PREVENTION DE L'ALLERGIE ALIMENTAIRE**
[72] CHATILA, TALAL A., US
[72] BRY, LYNN, US
[72] GERBER, GEORG, US
[72] ABDEL-GADIR, AZZA, US
[72] RACHID, RIMA, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] CHILDREN'S MEDICAL CENTER COPORATION, US
[85] 2018-05-01
[86] 2016-11-03 (PCT/US2016/060353)
[87] (WO2017/079450)
[30] US (62/250,277) 2015-11-03

---

[21] **3,003,910**
[13] A1
[51] **Int.Cl. A01J 7/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVALUATING A CLEANING PROCESS IN RESPECT OF A MILK TRANSPORTING CONDUIT STRUCTURE**
[54] **SYSTEME ET PROCEDE DESTINES A EVALUER UN PROCESSUS DE NETTOYAGE CONCERNANT UNE STRUCTURE DE CONDUIT DE TRANSPORT DE LAIT**
[72] ENICKL, JORGEN, SE
[72] LANDHOLM, KIM, SE
[72] WESTMAN, ANDERS, SE
[71] DELAVAL HOLDING AB, SE
[85] 2018-05-01
[86] 2016-11-07 (PCT/SE2016/051093)
[87] (WO2017/091126)
[30] SE (1551540-6) 2015-11-27

---

[21] **3,003,911**
[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01) C07K 14/01 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **PHAGE DISPLAY VECTORS AND METHODS OF USE**
[54] **VECTEURS D'EXPOSITION SUR PHAGE ET PROCEDES D'UTILISATION**
[72] AFSHAR, SEPIDEH, US
[71] ELI LILLY AND COMPANY, US
[85] 2018-05-01
[86] 2016-11-18 (PCT/US2016/062806)
[87] (WO2017/091467)
[30] US (62/259,801) 2015-11-25

---

[21] **3,003,912**
[13] A1
[51] **Int.Cl. G05F 3/30 (2006.01)**
[25] EN
[54] **TEMPERATURE-COMPENSATED REFERENCE VOLTAGE GENERATOR THAT IMPRESSES CONTROLLED VOLTAGES ACROSS RESISTORS**
[54] **GENERATEUR DE TENSION DE REFERENCE COMPENSEE EN TEMPERATURE APPLIQUANT DES TENSIONS COMMANDEES AUX BORNES DE RESISTANCES**
[72] RASMUS, TODD MORGAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-01
[86] 2016-11-21 (PCT/US2016/063139)
[87] (WO2017/105796)
[30] US (14/970,265) 2015-12-15

---

[21] **3,003,913**
[13] A1
[51] **Int.Cl. B65D 47/06 (2006.01)**
[25] EN
[54] **LID FOR A CONTAINER**
[54] **COUVERCLE DESTINE A UN RECIPIENT**
[72] SORENSEN, STEVEN M., US
[72] MEYERS, DAVID O., US
[71] RUNWAY BLUE, LLC, US
[85] 2018-05-01
[86] 2016-11-22 (PCT/US2016/063346)
[87] (WO2017/091582)
[30] US (14/951,405) 2015-11-24

[21] **3,003,914**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **5-(5-(2-(3-AMINOPROPOXY)-6-METHOXYPHENYL)-1H-PYRAZOL-3-YLAMINO)PYRAZINE-2-CARBONITRILE (S)-LACTATE MONOHYDRATE**
[54] **MONOHYDRATE DE 5-(5-(2-(3-AMINOPROPOXY)-6-METHOXYPHENYL)-1H-PYRAZOL-3-YLAMINO) PYRAZINE-2-CARBONITRILE (S)-LACTATE**
[72] ENNETT-SHEPARD, ALESSANDRA B., US
[71] ELI LILLY AND COMPANY, US
[85] 2018-05-01
[86] 2016-12-01 (PCT/US2016/064379)
[87] (WO2017/100071)
[30] US (62/263,908) 2015-12-07

---

[21] **3,003,917**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **UNIQUE CODE FOR TOKEN VERIFICATION**
[54] **CODE UNIQUE POUR VERIFICATION DE JETON**
[72] L. NARAYAN, PRASANNA, US
[72] KUMNICK, PHILLIP, US
[72] VASU, MADHU, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2018-05-01
[86] 2016-12-02 (PCT/US2016/064817)
[87] (WO2017/096300)
[30] US (62/263,393) 2015-12-04

---

[21] **3,003,919**
[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01) C08K 3/22 (2006.01) C08K 5/053 (2006.01) C08K 5/092 (2006.01) C08K 5/49 (2006.01) C08K 5/56 (2006.01) C08L 93/04 (2006.01)**
[25] EN
[54] **ADHESIVE COMPOSITIONS WITH TUNABLE RHEOLOGICAL PROPERTIES**
[54] **MELANGE DE RAPIECAGE BIO-FLUXE A MECANISME DE DURCISSEMENT DECLENCHE**
[72] CREWS, EVERETT, US
[71] INGEVITY SOUTH CAROLINA, LLC, US
[85] 2018-05-01
[86] 2016-12-22 (PCT/US2016/068455)
[87] (WO2017/112915)
[30] US (62/270,884) 2015-12-22

---

[21] **3,003,924**
[13] A1
[51] **Int.Cl. E04D 13/17 (2006.01)**
[25] EN
[54] **COMPRESSIBLE FOAM CLOSURE FOR METAL ROOFS**
[54] **FERMETURE EN MOUSSE COMPRESSIBLE POUR TOITS METALLIQUES**
[72] LEVEY, KENNETH, US
[71] ATLAS BOLT & SCREW COMPANY LLC, US
[85] 2018-05-01
[86] 2017-01-04 (PCT/US2017/012146)
[87] (WO2017/120203)
[30] US (62/276,573) 2016-01-08
[30] US (15/200,295) 2016-07-01

---

[21] **3,003,928**
[13] A1
[51] **Int.Cl. B29C 63/04 (2006.01) B32B 5/16 (2006.01) B32B 5/18 (2006.01) B32B 5/24 (2006.01) B32B 5/30 (2006.01) B32B 7/12 (2006.01) B32B 9/00 (2006.01) B32B 9/04 (2006.01) B32B 9/06 (2006.01) B32B 13/08 (2006.01) B32B 15/08 (2006.01) B32B 15/18 (2006.01) B32B 15/20 (2006.01) B32B 27/08 (2006.01) B32B 27/10 (2006.01) B32B 27/14 (2006.01) E04B 1/80 (2006.01) F16L 59/065 (2006.01)**
[25] EN
[54] **MULTILAYERED LAYERED BODY COMPRISING A THERMAL INSULATION BODY**
[54] **CORPS STRATIFIE MULTICOUCHE COMPRENANT UN CORPS D'ISOLATION THERMIQUE**
[72] HERFURTH, DOMINIK, DE
[72] WANDLER, KLAUS, DE
[71] KNAUF GIPS KG, DE
[85] 2018-05-02
[86] 2015-11-11 (PCT/EP2015/002258)
[87] (WO2017/080567)

---

[21] **3,003,935**
[13] A1
[51] **Int.Cl. B60R 9/00 (2006.01) B60R 9/08 (2006.01) B60R 9/10 (2006.01) B60R 11/00 (2006.01) F16B 47/00 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **VACUUM MOUNTED CARRIER FOR A VEHICLE**
[54] **SUPPORT MONTE SOUS VIDE POUR VEHICULE**
[72] CASAGRANDE, CHARLES L., US
[71] CASAGRANDE, CHARLES L., US
[85] 2018-04-30
[86] 2016-09-15 (PCT/US2016/051975)
[87] (WO2017/048981)
[30] US (62/218,940) 2015-09-15

[21] **3,003,937**
[13] A1
[51] **Int.Cl. H04W 4/00 (2018.01) H04L 29/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR VEHICLE-TO-VEHICLE COMMUNICATION**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION ENTRE VEHICULES**
[72] HOU, YANZHAO, CN
[72] CUI, QIMEI, CN
[72] ZHANG, SHIYU, CN
[72] CAO, SHIWEI, CN
[72] LIANG, HUI, CN
[72] JIANG, QINYAN, CN
[72] GUO, XIN, CN
[72] SUN, CHEN, CN
[71] SONY CORPORATION, JP
[85] 2018-05-02
[86] 2016-10-25 (PCT/CN2016/103182)
[87] (WO2017/076190)
[30] CN (201510747096.2) 2015-11-05

---

[21] **3,003,942**
[13] A1
[51] **Int.Cl. B65G 17/06 (2006.01) B65G 47/96 (2006.01)**
[25] EN
[54] **CONVEYING SYSTEM**
[54] **SYSTEME DE TRANSPORT**
[72] MADER, CARL CONRAD, CH
[71] WRH WALTER REIST HOLDING AG, CH
[85] 2018-05-02
[86] 2016-11-17 (PCT/EP2016/078039)
[87] (WO2017/085203)
[30] CH (1674/15) 2015-11-17

---

[21] **3,003,945**
[13] A1
[51] **Int.Cl. C08F 220/18 (2006.01) C09J 143/04 (2006.01)**
[25] EN
[54] **CATIONICALLY POLYMERISABLE POLYACRYLATE CONTAINING ALKOXYSILANE GROUPS AND USE THEREOF**
[54] **POLYACRYLATES POLYMERISABLES PAR VOIE CATIONIQUE CONTENANT DES GROUPES ALCOXYSILANE ET LEUR UTILISATION**
[72] SCHUH, CHRISTIAN, DE
[72] PRENZEL, ALEXANDER, DE
[72] BAMBERG, SARAH, DE
[71] TESA SE, DE
[85] 2018-05-02
[86] 2016-10-10 (PCT/EP2016/074196)
[87] (WO2017/080732)
[30] DE (10 2015 222 028.1) 2015-11-09

---

[21] **3,003,947**
[13] A1
[51] **Int.Cl. G01N 1/08 (2006.01) G01N 1/20 (2006.01) G01N 1/10 (2006.01) G01N 33/00 (2006.01)**
[25] FR
[54] **GRANULAR SOLID SAMPLING DEVICE**
[54] **DISPOSITIF D'ECHANTILLONNAGE DE SOLIDES GRANULAIRES**
[72] DESPAUX, YVAN, FR
[71] AXENS, FR
[85] 2018-05-02
[86] 2016-11-08 (PCT/EP2016/076937)
[87] (WO2017/097524)
[30] FR (1562153) 2015-12-10

---

[21] **3,003,951**
[13] A1
[51] **Int.Cl. H04W 72/10 (2009.01)**
[25] EN
[54] **BASE STATION-SIDE AND USER EQUIPMENT-SIDE APPARATUSES AND METHODS, AND WIRELESS COMMUNICATION SYSTEM**
[54] **APPAREILS ET PROCEDES SUR LE COTE STATION DE BASE ET LE COTE EQUIPEMENT D'UTILISATEUR, ET SYSTEME DE COMMUNICATIONS SANS FIL**
[72] HU, BINGSHAN, CN
[72] GUO, XIN, CN
[72] SUN, CHEN, CN
[72] LU, PENSHUN, CN
[71] SONY CORPORATION, JP
[85] 2018-05-02
[86] 2016-10-24 (PCT/CN2016/103023)
[87] (WO2017/076178)
[30] CN (201510745617.0) 2015-11-05

---

[21] **3,003,955**
[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) C12Q 1/22 (2006.01) C12Q 1/37 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **FLUORESCENT POLYBRANCHED PROBES FOR DETECTING BACTERIA AND/OR FUNGI IN VITRO AND IN VIVO**
[54] **SONDES FLUORESCENTES POLYRAMIFIEES POUR LA DETECTION DES BACTERIES ET/OU DES CHAMPIGNONS, IN VITRO ET IN VIVO**
[72] BRADLEY, MARK, GB
[72] LILIENKAMPF, ANNAMARIA HELENA, GB
[72] AVLONITIS, NIKOLAOS, GR
[72] ESCOBAR, MARC VENDRELL, GB
[72] MCDONALD, NEIL ALEXANDER, GB
[72] HASLETT, CHRISTOPHER, GB
[72] DHALIWAL, KANWALDEEP, GB
[72] WALSH, TIMOTHY SIMON, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[85] 2018-05-02
[86] 2015-11-13 (PCT/GB2015/053455)
[87] (WO2016/075484)
[30] GB (1420221.2) 2014-11-13

[21] **3,003,958**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREADED CONNECTION INCLUDING AN INTERMEDIATE SHOULDER**
[54] **RACCORD FILETE COMPRENANT UN EPAULEMENT INTERMEDIAIRE**
[72] DALY, DALY, US
[72] FOTHERGILL, ALAN, US
[72] VILLERT, SEBASTIEN, US
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-05-02
[86] 2016-12-05 (PCT/EP2016/079743)
[87] (WO2017/097700)
[30] US (14/967,111) 2015-12-11

---

[21] **3,003,959**
[13] A1
[51] **Int.Cl. B65D 5/72 (2006.01)**
[25] EN
[54] **PACKAGING**
[54] **EMBALLAGE**
[72] DESERTOT, DIDIER, FR
[72] RICKARDS, CHRISTINE, BE
[72] JACOBSSON, FREDRIK, SE
[71] DS SMITH PACKAGING LTD, GB
[85] 2018-05-02
[86] 2016-11-02 (PCT/GB2016/053393)
[87] (WO2017/077289)
[30] GB (1519544.9) 2015-11-05

---

[21] **3,003,961**
[13] A1
[51] **Int.Cl. A47J 43/046 (2006.01) A47J 27/00 (2006.01)**
[25] EN
[54] **FLOWABLE FOOD HEATING WITH BURNING PREVENTION**
[54] **CHAUFFAGE D'ALIMENTS LIQUIDES A PREVENTION DE COMBUSTION**
[72] HELF, GERD, DE
[72] KLOTZBACH, HARALD, DE
[72] MOLINARO, ALESSANDRO, CH
[72] SU, BO, DE
[71] NESTEC S.A., CH
[85] 2018-05-02
[86] 2016-12-12 (PCT/EP2016/080579)
[87] (WO2017/098037)
[30] EP (15199558.6) 2015-12-11

---

[21] **3,003,962**
[13] A1
[51] **Int.Cl. A61K 51/04 (2006.01) C07B 59/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **RADIOLABELLED MGLUR2/3 PET LIGANDS**
[54] **LIGANDS RADIOMARQUES DES RECEPTEURS MGLUR2/3 UTILISES EN TEP**
[72] ANDRES-GIL, JOSE IGNACIO, ES
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] BORMANS, GUY MAURITS R, BE
[72] VERBEEK, JOOST, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2018-05-02
[86] 2016-12-16 (PCT/EP2016/081537)
[87] (WO2017/103179)
[30] EP (15201239.9) 2015-12-18

---

[21] **3,003,964**
[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) C12Q 1/22 (2006.01) C12Q 1/37 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **MOLECULAR PROBES FOR DETECTING GRAM-NEGATIVE BACTERIA IN VITRO AND IN VIVO**
[54] **SONDES MOLECULAIRES POUR DETECTER DES BACTERIES GRAM NEGATIF IN VITRO ET IN VIVO**
[72] BRADLEY, MARK, GB
[72] LILIENKAMPF, ANNAMARIA HELENA, GB
[72] AVLONITIS, NIKOLAOS, GR
[72] ESCOBAR, MARC VENDRELL, GB
[72] MCDONALD, NEIL ALEXANDER, GB
[72] HASLETT, CHRISTOPHER, GB
[72] DHALIWAL, KANWALDEEP, GB
[72] WALSH, TIMOTHY SIMON, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[85] 2018-05-02
[86] 2015-11-13 (PCT/GB2015/053454)
[87] (WO2016/075483)
[30] GB (1420222.0) 2014-11-13

---

[21] **3,003,965**
[13] A1
[51] **Int.Cl. C08G 73/02 (2006.01) C08G 73/06 (2006.01) C08K 5/00 (2006.01)**
[25] EN
[54] **PHOTODYNAMIC THERAPY COMPLEX**
[54] **COMPLEXE DE THERAPIE PHOTODYNAMIQUE**
[72] PROKOPOVICH, POLINA, GB
[72] PERNI, STEFANO, GB
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB
[85] 2018-05-02
[86] 2016-11-03 (PCT/GB2016/053407)
[87] (WO2017/077299)
[30] GB (1519375.8) 2015-11-03

---

[21] **3,003,966**
[13] A1
[51] **Int.Cl. G01S 5/02 (2010.01) G06T 7/55 (2017.01) G01S 5/20 (2006.01)**
[25] EN
[54] **UAV DETECTION**
[54] **DETECTION D'UAV**
[72] HAFIZOVIC, INES, NO
[72] NYVOLD, STIG OLUF, NO
[72] AASEN, JON PETTER HELGESEN, NO
[72] DALENG, JOHANNES ALMING, NO
[72] OLSEN, FRODE BERG, NO
[71] SQUAREHEAD TECHNOLOGY AS, NO
[85] 2018-05-02
[86] 2016-11-07 (PCT/GB2016/053482)
[87] (WO2017/077348)
[30] GB (1519634.8) 2015-11-06

[21] **3,003,969**
[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) C07K 14/505 (2006.01) C07K 14/52 (2006.01) C07K 14/525 (2006.01)**
[25] EN
[54] **BI-FUNCTIONAL CHIMERIC PROTEINS AND USES THEREOF**
[54] **PROTEINES CHIMERES BIFONCTIONNELLES ET LEURS UTILISATIONS**
[72] KLEY, NIKOLAI, US
[72] TAVERNIER, JAN, BE
[72] HUYGHE, LEANDER, BE
[72] WUEEST, THOMAS, BE
[71] ORIONIS BIOSCIENCES NV, BE
[71] VIB VZW, BE
[71] UNIVERSITEIT GENT, BE
[85] 2018-05-02
[86] 2016-11-07 (PCT/IB2016/001668)
[87] (WO2017/077382)
[30] US (62/252,282) 2015-11-06
[30] US (62/252,286) 2015-11-06
[30] US (62/335,868) 2016-05-13

---

[21] **3,003,976**
[13] A1
[51] **Int.Cl. F21S 8/06 (2006.01) F21V 7/00 (2006.01) F21V 7/16 (2006.01) F21V 7/18 (2006.01) F21V 11/18 (2006.01) F21V 14/04 (2006.01)**
[25] EN
[54] **A LIGHTING DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] DYSON, JACOB, GB
[72] WHITTAKER, PAUL, GB
[72] DARVILL, WILLIAM, GB
[71] DYSON TECHNOLOGY LIMITED, GB
[85] 2018-05-02
[86] 2016-11-15 (PCT/GB2016/053567)
[87] (WO2017/093709)
[30] GB (1521437.2) 2015-12-04

---

[21] **3,003,979**
[13] A1
[51] **Int.Cl. B01D 61/02 (2006.01) B01D 61/08 (2006.01) B01D 61/12 (2006.01) C02F 1/00 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **IMROVED REVERSE OSMOSIS OR NANOFILTRATION PROCESS FOR CLEANING WATER**
[54] **PROCEDE D'OSMOSE INVERSE OU DE NANO-FILTRATION AMELIORE POUR LA PURIFICATION D'EAU**
[72] DRAK, ALEX, IL
[72] EFRAT, TOMER, IL
[72] ZAKEN, ROI, IL
[71] I.D.E. TECHNOLOGIES LTD, IL
[85] 2018-05-02
[86] 2016-07-13 (PCT/IB2016/054172)
[87] (WO2017/013536)
[30] GB (1512979.4) 2015-07-23

---

[21] **3,003,980**
[13] A1
[51] **Int.Cl. G02C 7/10 (2006.01) G02B 1/115 (2015.01) G02B 5/22 (2006.01) G02B 5/28 (2006.01)**
[25] EN
[54] **OPTICAL ARTICLE PROTECTING FROM BLUE LIGHT**
[54] **ARTICLE OPTIQUE PROTEGEANT DE LA LUMIERE BLEUE**
[72] CARREGA, AUDE, FR
[72] JIMENEZ, ARMEL, FR
[72] LESTOURNELLE, FRANCK, FR
[72] KUDLA, AMELIE, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2018-05-02
[86] 2015-11-06 (PCT/IB2015/002252)
[87] (WO2017/077357)

---

[21] **3,003,982**
[13] A1
[51] **Int.Cl. A01H 3/02 (2006.01) A01H 5/00 (2018.01)**
[25] EN
[54] **NON-GM IMPROVED CROPS AND METHODS FOR OBTAINING CROPS WITH IMPROVED INHERITABLE TRAITS**
[54] **CULTURES AMELIOREES SANS GM ET PROCEDES POUR OBTENIR DES CULTURES AYANT DES CARACTERISTIQUES HEREDITAIRES AMELIOREES**
[72] SHENFELD, AVNER, IL
[71] EPIGENETICS LTD, IL
[85] 2018-05-02
[86] 2016-11-01 (PCT/IL2016/051179)
[87] (WO2017/077530)
[30] US (62/249,962) 2015-11-03
[30] US (62/264,868) 2015-12-09

---

[21] **3,003,986**
[13] A1
[51] **Int.Cl. C08G 77/16 (2006.01) C08G 77/14 (2006.01) C08G 77/20 (2006.01) C08G 77/38 (2006.01) C08G 77/392 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **POLYMERIZABLE POLYSILOXANES WITH HYDROPHILIC SUBSTITUENTS**
[54] **POLYSILOXANES POLYMERISABLES AVEC SUBSTITUANTS HYDROPHILES**
[72] CHANG, FRANK, US
[72] DESOUSA, RYAN, US
[72] HUANG, JINYU, US
[71] NOVARTIS AG, CH
[85] 2018-05-02
[86] 2016-12-13 (PCT/IB2016/057585)
[87] (WO2017/103791)
[30] US (62/267,312) 2015-12-15

[21] **3,003,993**
[13] A1
[51] **Int.Cl. B01D 33/70 (2006.01) B01D 33/048 (2006.01) B01D 33/44 (2006.01) B01D 33/62 (2006.01) G05D 11/02 (2006.01)**
[25] EN
[54] **METHOD AND PROCESS FOR OPERATING AND CONTROLLING A SEPARATION DEVICE**
[54] **METHODE ET PROCEDE D'ACTIONNEMENT ET DE COMMANDE D'UN DISPOSITIF DE SEPARATION**
[72] SANTORO, DOMENICO, CA
[72] FRANCHI, ALESSANDRO, US
[72] SARATHY, SIVA RAJAN, CA
[72] DAYNOURI-PANCINO, FARNAZ, CA
[71] SALSNES FILTER AS, CA
[85] 2018-04-30
[86] 2016-10-31 (PCT/CA2016/051257)
[87] (WO2017/070792)
[30] US (62/248,087) 2015-10-29

---

[21] **3,003,998**
[13] A1
[51] **Int.Cl. A61K 51/04 (2006.01) C07B 59/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **RADIOLABELLED MGLUR2/3 PET LIGANDS**
[54] **LIGANDS DES RECEPTEURS MGLUR2/3 RADIOMARQUES UTILISES EN TEP**
[72] ANDRES-GIL, JOSE IGNACIO, ES
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] BORMANS, GUY MAURITS R, BE
[72] VERBEEK, JOOST, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2018-05-02
[86] 2016-12-16 (PCT/EP2016/081542)
[87] (WO2017/103182)
[30] EP (15201240.7) 2015-12-18

---

[21] **3,004,003**
[13] A1
[51] **Int.Cl. E04H 9/02 (2006.01)**
[25] EN
[54] **EARTHQUAKE RESISTANT CONSTRUCTION ELEMENT**
[54] **ELEMENT DE CONSTRUCTION ANTISISMIQUE**
[72] GOLLAPUDI, SRIKANT, IN
[72] KALANAD, AYSHA, IN
[72] BULUSU, SURYATEJA, IN
[72] SHARMA, MANISH KUMAR, IN
[71] SAINT-GOBAIN PLACO, FR
[85] 2018-05-02
[86] 2016-10-27 (PCT/IN2016/050366)
[87] (WO2017/077548)
[30] IN (5928/CHE/2015) 2015-11-02

---

[21] **3,004,007**
[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/404 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **3-(5-FLUOROINDOLYL)-4-ARYLMALEIMIDE COMPOUNDS AND THEIR USE IN TUMOR TREATMENT**
[54] **COMPOSES 3-(5-FLUOROINDOLYL)-4-ARYLMALEIMIDE ET LEUR UTILISATION DANS LE TRAITEMENT DES TUMEURS**
[72] MOHLER, MARKUS, DE
[72] MADERER, ANNETT, DE
[72] DANNHARDT, GERD, DE
[72] GANSER, CHRISTOPHER, DE
[72] LAUERMANN, EVA, DE
[72] MONNIKES, RENE, DE
[71] JOHANNES GUTENBERG-UNIVERSITAT MAINZ, DE
[85] 2018-05-02
[86] 2016-12-28 (PCT/EP2016/082777)
[87] (WO2017/114863)
[30] EP (15203072.2) 2015-12-30

---

[21] **3,004,014**
[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **REMOTELY OPERATED VEHICLE FOR PICKING UP A STORAGE BIN FROM AN UNDERLYING STORAGE SYSTEM**
[54] **VEHICULE TELECOMMANDE POUR LE RAMASSAGE D'UN BAC DE STOCKAGE DEPUIS UN SYSTEME DE STOCKAGE SOUS-JACENT**
[72] HOGNALAND, INGVAR, NO
[72] FJELDHEIM, IVAR, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2018-05-02
[86] 2017-01-05 (PCT/EP2017/050195)
[87] (WO2017/129384)
[30] NO (20160118) 2016-01-26

---

[21] **3,004,042**
[13] A1
[51] **Int.Cl. C04B 28/14 (2006.01) C04B 14/28 (2006.01) C04B 24/04 (2006.01) C04B 24/06 (2006.01) C04B 24/10 (2006.01) C04B 24/12 (2006.01) C04B 24/14 (2006.01) C04B 24/38 (2006.01) C04B 41/65 (2006.01) E04F 13/02 (2006.01)**
[25] EN
[54] **GYPSUM COMPOSITION FOR DRY-CURING COATING MATERIAL, GYPSUM-BASED COATING MATERIAL, AND CONSTRUCTION METHOD FOR GYPSUM-BASED COATING MATERIAL**
[54] **COMPOSITION DE GYPSE POUR MATERIAU DE REVETEMENT DURCISSANT A SEC, MATERIAU DE REVETEMENT A BASE DE GYPSE ET PROCEDE DE CONSTRUCTION POUR MATERIAU DE REVETEMENT A BASE DE GYPSE**
[72] YOKOYAMA, ITARU, JP
[72] TANAKA, YOSHIKAZU, JP
[71] YOSHINO GYPSUM CO., LTD., JP
[85] 2018-05-02
[86] 2016-12-07 (PCT/JP2016/086306)
[87] (WO2017/099102)
[30] JP (2015-242337) 2015-12-11

[21] **3,004,043**
[13] A1
[51] **Int.Cl. A61K 31/685 (2006.01) A61K 31/688 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING PHOSPHOLIPID AND THEIR USE**
[54] **COMPOSITIONS COMPRENANT UN PHOSPHOLIPIDE ET LEUR UTILISATION**
[72] SCHNEIDER, NORA, CH
[72] HAUSER, JONAS, CH
[72] SILVA ZOLEZZI, IRMA, CH
[72] SAMUEL, TINU MARY, CH
[72] DEONI, SEAN, US
[72] BARTFAI, TAMAS, SE
[71] NESTEC S.A., CH
[85] 2018-05-02
[86] 2016-12-13 (PCT/EP2016/080787)
[87] (WO2017/167416)
[30] US (62/315,134) 2016-03-30
[30] US (62/315,142) 2016-03-30
[30] US (62/315,152) 2016-03-30
[30] US (62/315,158) 2016-03-30
[30] US (62/315,163) 2016-03-30
[30] US (62/328,099) 2016-04-27

---

[21] **3,004,044**
[13] A1
[51] **Int.Cl. A61K 33/06 (2006.01) A61K 33/26 (2006.01) A61K 33/30 (2006.01) A61K 33/34 (2006.01) A61K 33/42 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING MINERALS AND THEIR USE**
[54] **COMPOSITIONS COMPRENANT DES MINERAUX ET LEUR UTILISATION**
[72] SCHNEIDER, NORA, CH
[72] HAUSER, JONAS, CH
[72] SILVA ZOLEZZI, IRMA, CH
[72] SAMUEL, TINU MARY, CH
[72] DEONI, SEAN, US
[72] BARTFAI, TAMAS, SE
[71] NESTEC S.A., CH
[85] 2018-05-02
[86] 2016-12-13 (PCT/EP2016/080793)
[87] (WO2017/167419)
[30] US (62/315,134) 2016-03-30
[30] US (62/315,142) 2016-03-30
[30] US (62/315,152) 2016-03-30
[30] US (62/315,158) 2016-03-30
[30] US (62/315,163) 2016-03-30
[30] US (62/328,112) 2016-04-27

---

[21] **3,004,045**
[13] A1
[51] **Int.Cl. E05D 15/06 (2006.01) E06B 3/46 (2006.01)**
[25] EN
[54] **A PANEL AND A PANEL SYSTEM**
[54] **PANNEAU ET SYSTEME DE PANNEAU**
[72] HILLIAHO, ESA, FI
[71] LUMON INVEST OY, FI
[85] 2018-05-02
[86] 2016-11-03 (PCT/FI2016/050775)
[87] (WO2017/081364)
[30] FI (20155827) 2015-11-10

---

[21] **3,004,046**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/714 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING VITAMINS AND THEIR USE**
[54] **COMPOSITIONS COMPRENANT DES VITAMINES ET LEUR UTILISATION**
[72] SCHNEIDER, NORA, CH
[72] HAUSER, JONAS, CH
[72] SILVA ZOLEZZI, IRMA, CH
[72] SAMUEL, TINU MARY, CH
[72] DEONI, SEAN, US
[72] BARTFAI, TAMAS, SE
[71] NESTEC S.A., CH
[85] 2018-05-02
[86] 2016-12-13 (PCT/EP2016/080796)
[87] (WO2017/167420)
[30] US (62/315,134) 2016-03-30
[30] US (62/315,142) 2016-03-30
[30] US (62/315,152) 2016-03-30
[30] US (62/315,158) 2016-03-30
[30] US (62/315,163) 2016-03-30
[30] US (62/328,119) 2016-04-27

---

[21] **3,004,047**
[13] A1
[51] **Int.Cl. G08G 1/017 (2006.01) G08G 1/09 (2006.01) G08G 1/0965 (2006.01) G08G 1/0967 (2006.01) G08G 1/054 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMMUNICATING A MESSAGE TO A VEHICLE**
[54] **SYSTEME ET PROCEDE DE TRANSMISSION D'UN MESSAGE A UN VEHICULE**
[72] GUPTA, MANISH, IN
[72] PAL, PRALAY KUMAR, IN
[72] SASTRY, RAMESHA CHELUR RAMACHANDRA, IN
[72] CHINTALAPOODI, PRAMOD, US
[72] TANAKA, SHO, JP
[71] SONY CORPORATION, JP
[85] 2018-05-02
[86] 2016-10-28 (PCT/JP2016/082023)
[87] (WO2017/082075)
[30] US (14/938,052) 2015-11-11

---

[21] **3,004,048**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **CD200 INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE CD200 ET LEURS METHODES D'UTILISATION**
[72] OLIN, MICHAEL, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2018-05-02
[86] 2016-11-02 (PCT/US2016/060164)
[87] (WO2017/079335)
[30] US (62/250,376) 2015-11-03

[21] **3,004,049**
[13] A1
[51] **Int.Cl. F17D 5/02 (2006.01) F17D 1/04 (2006.01)**
[25] EN
[54] **REAL TIME INTEGRITY MONITORING OF ON-SHORE PIPES**
[54] **SURVEILLANCE D'INTEGRITE EN TEMPS REEL DE CANALISATIONS A TERRE**
[72] ETHRIDGE, ANDREW DAVID, US
[72] WINN, ALEXANDER LEE, US
[71] FLEXSTEEL PIPELINE TECHNOLOGIES, INC., US
[85] 2018-05-02
[86] 2015-11-02 (PCT/US2015/058618)
[87] (WO2017/078670)

---

[21] **3,004,050**
[13] A1
[51] **Int.Cl. E03C 1/04 (2006.01) E03C 1/02 (2006.01) E03C 1/044 (2006.01)**
[25] EN
[54] **WATER CONSERVING SHOWER SYSTEM AND THERMOCHROMIC FIXTURES USED THEREIN**
[54] **SYSTEME DE DOUCHE FAVORISANT L'ECONOMIE D'EAU ET ELEMENTS THERMOCHROMIQUES UTILISES EN SON SEIN**
[72] SEARCY, GUS, US
[71] AQUA VIEW INC., US
[85] 2018-05-02
[86] 2016-05-18 (PCT/US2016/033140)
[87] (WO2017/082960)
[30] US (14/937,587) 2015-11-10

---

[21] **3,004,051**
[13] A1
[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **VEHICLE IDENTIFICATION AND LOCATION USING SENSOR FUSION AND INTER-VEHICLE COMMUNICATION**
[54] **IDENTIFICATION ET LOCALISATION DE VEHICULES PAR FUSION DE CAPTEURS ET COMMUNICATION ENTRE VEHICULES**
[72] SWITKES, JOSHUA P., US
[72] LYONS, DAVID FREDERICK, US
[72] PRICE, CHARLES A., US
[72] STANEK, GANYMED, US
[72] SCHUH, AUSTIN, US
[72] O'CONNOR, MICHAEL, US
[72] SMARTT, BRIAN, US
[72] GERDES, JOSEPH CHRISTIAN, US
[71] PELOTON TECHNOLOGY, INC., US
[85] 2018-05-02
[86] 2016-11-02 (PCT/US2016/060167)
[87] (WO2017/070714)
[30] US (14/855,044) 2015-09-15
[30] US (62/249,898) 2015-11-02
[30] US (PCT/US2016/049143) 2016-08-26

---

[21] **3,004,052**
[13] A1
[51] **Int.Cl. A41C 3/00 (2006.01) A41C 5/00 (2006.01)**
[25] EN
[54] **FLAT-KNIT SUPPORT GARMENT FOR UPPER TORSO**
[54] **VETEMENT DE SUPPORT EN TRICOT RECTILIGNE POUR TORSE SUPERIEUR**
[72] DIAZ, JOSUE, US
[72] MAHESHWARI, RICHA, US
[72] MONTGOMERY, PAUL R., US
[72] SEARS, LORI, US
[72] STAUB, ANDREA J., US
[72] TANIOS, MICHAEL, US
[72] SOKOLOWSKI, SUSAN, US
[72] TEMPESTA, LAURA, US
[71] NIKE INNOVATE C.V., US
[85] 2018-05-02
[86] 2016-11-03 (PCT/US2016/060261)
[87] (WO2017/079393)
[30] US (62/250,316) 2015-11-03
[30] US (15/341,788) 2016-11-02

---

[21] **3,004,053**
[13] A1
[51] **Int.Cl. A61K 35/15 (2015.01) A61K 35/17 (2015.01) A61K 45/06 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR GENE EDITING IN HEMATOPOIETIC STEM CELLS**
[54] **PROCEDES ET COMPOSITIONS POUR L'EDITION DE GENES DANS DES CELLULES SOUCHES HEMATOPOIETIQUES**
[72] GILL, SAAR, US
[72] KIM, MIRIAM, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2018-05-02
[86] 2016-11-03 (PCT/US2016/060273)
[87] (WO2017/079400)
[30] US (62/250,561) 2015-11-04

---

[21] **3,004,055**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 7/08 (2006.01) G01N 33/564 (2006.01) G01N 33/567 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **PEPTIDES AND METHODS OF TREATING ENDOMETRIOSIS USING THE SAME**
[54] **PEPTIDES ET METHODES DE TRAITEMENT DE L'ENDOMETRIOSE UTILISANT LESDITS PEPTIDES**
[72] BARNEA, EYTAN R., US
[71] BIOINCEPT, LLC, US
[85] 2018-05-02
[86] 2016-11-03 (PCT/US2016/060319)
[87] (WO2017/079430)
[30] US (PCT/US2015/058877) 2015-11-03
[30] US (62/317,628) 2016-04-03

Demandes PCT entrant en phase nationale

[21] **3,004,056**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **TISSUE-PREFERRED PROMOTERS AND METHODS OF USE**
[54] **PROMOTEURS PREFERES PAR UN TISSU ET PROCEDES D'UTILISATION**
[72] DA SILVA CONCEICAO, ALEXANDRE, US
[72] GORDON-KAMM, WILLIAM JAMES, US
[72] KLEIN, THEODORE MITCHELL, US
[72] LA ROTA, CARLOS M., US
[72] LOWE, KEITH S., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2018-05-02
[86] 2016-08-26 (PCT/US2016/049128)
[87] (WO2017/112006)
[30] US (62/271,230) 2015-12-22

---

[21] **3,004,058**
[13] A1
[51] **Int.Cl. E21B 21/06 (2006.01)**
[25] EN
[54] **CONTROL OF NANOPARTICLES DISPERSION STABILITY THROUGH DIELECTRIC CONSTANT TUNING, AND DETERMINIATION OF INTRINSIC DIELECTRIC CONSTANT OF SURFACTANT-FREE NANOPARTICLES**
[54] **REGULATION DE LA STABILITE DE LA DISPERSION DE NANOPARTICULES PAR AJUSTEMENT DE LA CONSTANTE DIELECTRIQUE, ET DETERMINATION DE LA CONSTANTE DIELECTRIQUE INTRINSEQUE DE NANOPARTICULES SANS AGENT TENSIOACTIF**
[72] ZHANG, XI, US
[72] YAO, HAIQING, US
[72] SUE, HUNG-JUE, US
[72] MIYAMOTO, MASAHIRO, US
[71] KANEKA AMERICAS HOLDING, INC., US
[71] TEXAS A&M UNIVERSITY, US
[85] 2018-05-02
[86] 2016-11-03 (PCT/US2016/060331)
[87] (WO2017/079436)
[30] US (62/250,157) 2015-11-03

---

[21] **3,004,059**
[13] A1
[51] **Int.Cl. A61K 33/14 (2006.01) A61K 8/63 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **ANTI-AGING COMPOSITIONS AND METHODS FOR USING SAME**
[54] **COMPOSITIONS ANTI-VIEILLISSEMENT ET LEURS PROCEDES D'UTILISATION**
[72] IDELEVICH, PAVEL, US
[72] IDELEVICH, ANNA, US
[71] PRESCIENT PHARMA LLC, US
[85] 2018-05-02
[86] 2016-11-03 (PCT/US2016/060371)
[87] (WO2017/079463)
[30] US (62/250,910) 2015-11-04

---

[21] **3,004,060**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12P 19/30 (2006.01)**
[25] EN
[54] **NUCLEOTIDE ANALOGUES**
[54] **ANALOGUES NUCLEOTIDIQUES**
[72] MARMA, MONG SANO, US
[72] OLEJNIK, JERZY, US
[72] KORBOUKH, ILIA, US
[71] QIAGEN SCIENCES LLC, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060435)
[87] (WO2017/079498)
[30] US (62/251,884) 2015-11-06
[30] US (62/327,555) 2016-04-26

---

[21] **3,004,062**
[13] A1
[51] **Int.Cl. A23L 33/00 (2016.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITIONS FOR PROMOTING GUT BARRIER FUNCTION AND AMELIORATING VISCERAL PAIN**
[54] **COMPOSITIONS NUTRITIONNELLES POUR FAVORISER LA FONCTION DE BARRIERE INTESTINALE ET SOULAGER LES DOULEURS VISCERALES**
[72] ZHONG, YAN, CN
[72] LAMBERS, TEARTSE TIM, NL
[72] GROSS, GABRIELE, NL
[72] MANURUNG, SARMAULI, NL
[72] VAN TOL, ERIC A.F., NL
[72] WAWORUNTU, ROSALINE, US
[71] MJN U.S. HOLDINGS LLC, US
[85] 2018-05-02
[86] 2016-10-10 (PCT/US2016/056207)
[87] (WO2017/078907)
[30] US (14/934,559) 2015-11-06

---

[21] **3,004,064**
[13] A1
[51] **Int.Cl. D03D 1/02 (2006.01)**
[25] EN
[54] **LOW PERMEABILITY AND HIGH STRENGTH FABRIC AND METHODS OF MAKING THE SAME**
[54] **TISSU A FAIBLE PERMEABILITE ET HAUTE RESISTANCE ET SON PROCEDE DE FABRICATION**
[72] HUNT, NEIL, GB
[72] SHARMA, VARUNESH, US
[71] INVISTA TECHNOLOGIES S.AR.L., CH
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060436)
[87] (WO2017/079499)
[30] US (62/251,817) 2015-11-06

[21] **3,004,067**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01) B60R 11/02 (2006.01)**
[25] EN
[54] **OVERHEAD DISPLAY SCREEN**
[54] **ECRAN D'AFFICHAGE SUSPENDU**
[72] MOYER, ERIC P., US
[72] CARSWELL, SAMUEL A., US
[72] SIMONE, BRIAN ANDREW, US
[71] SYSTEMS AND SOFTWARE ENTERPRISES, LLC, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060510)
[87] (WO2017/079543)
[30] US (62/252,340) 2015-11-06
[30] US (15/343,596) 2016-11-04

---

[21] **3,004,068**
[13] A1
[51] **Int.Cl. B01J 8/00 (2006.01) B01J 8/12 (2006.01) B01J 8/44 (2006.01) C10G 3/00 (2006.01) C10G 11/16 (2006.01)**
[25] EN
[54] **MULTIPHASE SEPARATOR AND METHODS OF USE THEREOF FOR PRODUCING HYDROCARBONS FROM OXYGENATES AND OLEFINS**
[54] **SEPARATEUR MULTIPHASE ET LEURS PROCEDES D'UTILISATION POUR LA PRODUCTION D'HYDROCARBURES A PARTIR DE COMPOSES OXYGENES ET D'OLEFINES**
[72] BEHKISH, ARSAM, US
[72] RATERMAN, MICHAEL FRANCIS, US
[72] KARRI, SURYA BHASKARA REDDY, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060518)
[87] (WO2017/087187)
[30] US (62/256,806) 2015-11-18

---

[21] **3,004,074**
[13] A1
[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/534 (2006.01)**
[25] EN
[54] **THIN AND FLEXIBLE ABSORBENT ARTICLES**
[54] **ARTICLES ABSORBANTS MINCES ET SOUPLES**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] MORROW, CLINT ADAM, US
[72] HUBBARD, WADE MONROE, JR., US
[72] DUVAL, DEAN LARRY, US
[72] KIRKBRIDE, TANA MARIE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060553)
[87] (WO2017/079573)
[30] US (62/251,006) 2015-11-04

---

[21] **3,004,076**
[13] A1
[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/534 (2006.01)**
[25] EN
[54] **THIN AND FLEXIBLE ABSORBENT ARTICLES**
[54] **ARTICLES ABSORBANTS MINCES ET SOUPLES**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] MORROW, CLINT ADAM, US
[72] HUBBARD, WADE MONROE, JR., US
[72] DUVAL, DEAN LARRY, US
[72] KIRKBRIDE, TANA MARIE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060565)
[87] (WO2017/079583)
[30] US (62/251,031) 2015-11-04

---

[21] **3,004,078**
[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 10/00 (2006.01) A61B 17/12 (2006.01) A61B 17/122 (2006.01) A61B 17/125 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **CORD COLLECTION CLAMP**
[54] **PINCE DE COLLECTE DE CORDON**
[72] KUYPERS, FRANCISCUS A., US
[71] CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND, US
[85] 2018-05-02
[86] 2016-10-10 (PCT/US2016/056308)
[87] (WO2017/087090)
[30] US (14/942,094) 2015-11-16

---

[21] **3,004,079**
[13] A1
[51] **Int.Cl. B01J 29/06 (2006.01) B01D 53/94 (2006.01) F01N 3/022 (2006.01)**
[25] EN
[54] **BINARY CATALYST BASED SELECTIVE CATALYTIC REDUCTION FILTER**
[54] **FILTRE DE REDUCTION CATALYTIQUE SELECTIVE A BASE DE CATALYSEUR BINAIRE**
[72] GOFFE, RANDAL A., US
[71] PACCAR INC, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060583)
[87] (WO2017/079598)
[30] US (14/935,199) 2015-11-06

---

[21] **3,004,081**
[13] A1
[51] **Int.Cl. C09D 5/08 (2006.01)**
[25] EN
[54] **USING QUATERNARY AMINE ADDITIVES TO IMPROVE WATER SEPARATION**
[54] **UTILISATION D'ADDITIFS D'AMINE QUATERNAIRE POUR AMELIORER LA SEPARATION D'EAU**
[72] HADLER, AMELIA, US
[72] FABER, BEN, US
[72] CLARK, JENNIFER E., US
[72] MINCH, BRITT A., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2018-05-02
[86] 2016-10-11 (PCT/US2016/056412)
[87] (WO2017/083042)
[30] US (62/252,734) 2015-11-09

[21] **3,004,083**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/4245 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND METHODS FOR INDOLEAMINE 2,3-DIOXYGENASE INHIBITION AND INDICATIONS THEREFOR**
[54] **COMPOSITIONS PHARMACEUTIQUES ET METHODES D'INHIBITION D'INDOLAMINE 2,3-DIOXYGENASE ET LEURS INDICATIONS**
[72] YELESWARAM, KRISHNASWAMY, US
[72] SHI, JACK GUOEN, US
[71] INCYTE CORPORATION, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060693)
[87] (WO2017/079669)
[30] US (62/250,968) 2015-11-04

[21] **3,004,084**
[13] A1
[51] **Int.Cl. H05K 5/02 (2006.01) H01L 23/44 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROVIDING A TEMPERATURE-DIFFERENTIAL CIRCUIT CARD ENVIRONMENT**
[54] **APPAREIL ET PROCEDE POUR FOURNIR UN ENVIRONNEMENT DE CARTES DE CIRCUIT IMPRIME A DIFFERENTIEL DE TEMPERATURE**
[72] CHRISTIANSEN, MARTIN BROKNER, US
[72] CHOROSINSKI, LEONARD GEORGE, US
[72] HEFFNER, H. CRAIG, US
[72] WAKAMIYA, STANLEY KATSUYOSHI, US
[72] KIRKWOOD, KEITH R., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2018-05-02
[86] 2016-10-11 (PCT/US2016/056444)
[87] (WO2017/087092)
[30] US (14/943,337) 2015-11-17

[21] **3,004,086**
[13] A1
[51] **Int.Cl. B32B 27/32 (2006.01) C08J 5/18 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **LOW CRYSTALLINE POLYMER COMPOSITIONS**
[54] **COMPOSITIONS DE POLYMERE FAIBLEMENT CRISTALLINES**
[72] VAN HOYWEGHEN, DANNY, BE
[72] MITCHELL, CYNTHIA A., US
[72] VAN LOON, ACHIEL J.M., BE
[72] DHARMARAJAN, NARAYANASWAMI, US
[72] DATTA, SUDHIN, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-02
[86] 2016-10-17 (PCT/US2016/057308)
[87] (WO2017/105614)
[30] US (62/268,112) 2015-12-16
[30] EP (16160370.9) 2016-03-15

[21] **3,004,087**
[13] A1
[51] **Int.Cl. G01D 11/30 (2006.01) F16L 37/08 (2006.01) F16L 37/28 (2006.01) G01F 15/18 (2006.01) G01K 1/14 (2006.01) G01L 19/00 (2006.01)**
[25] EN
[54] **DEPRESSOR-ADJUSTMENT UNIT AND MANIFOLD GAUGE SET INCLUDING THE SAME**
[54] **MODULE D'AJUSTEMENT DE DEPRESSEUR ET ENSEMBLE DE JAUGE DE COLLECTEUR COMPORTANT LEDIT MODULE**
[72] KANG, SUGJAE, KR
[71] KANG, SUGJAE, KR
[85] 2018-05-02
[86] 2016-11-02 (PCT/KR2016/012500)
[87] (WO2017/078388)
[30] KR (10-2015-0153966) 2015-11-03
[30] KR (10-2015-0164449) 2015-11-24
[30] KR (10-2015-0176605) 2015-12-11
[30] KR (10-2016-0076950) 2016-06-21

[21] **3,004,089**
[13] A1
[51] **Int.Cl. H04N 21/214 (2011.01) H04N 21/414 (2011.01)**
[25] EN
[54] **METHOD OF ASSOCIATING LOCATIONS WITH DEVICES**
[54] **PROCEDE PERMETTANT D'ASSOCIER DES POSITIONS A DES DISPOSITIFS**
[72] MOYER, ERIC P., US
[72] ROCHAU, ANDREAS, DE
[72] KISSLING, CHRISTIAN, DE
[71] SYSTEMS AND SOFTWARE ENTERPRISES, LLC, US
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060696)
[87] (WO2017/079671)
[30] US (62/252,371) 2015-11-06
[30] US (15/344,352) 2016-11-04

[21] **3,004,090**
[13] A1
[51] **Int.Cl. A01M 1/04 (2006.01) A01M 29/10 (2011.01) A01K 85/01 (2006.01) A01M 1/08 (2006.01) A01M 99/00 (2006.01) G06K 9/00 (2006.01) G06T 7/20 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ATTRACTING INSECTS BY SIMULATING WING FLASH**
[54] **SYSTEMES ET PROCEDES POUR ATTIRER DES INSECTES PAR SIMULATION DE BATTEMENT D'AILE**
[72] GRIES, GERHARD J., CA
[72] HRABAR, MICHAEL GEORGE, CA
[72] STEPANOVIC, LYDIA CARROL, CA
[72] EICHORN, COURTNEY ELAINE, CA
[72] VAN RYN, EMMA CHRISTINA, CA
[72] BRODIE, BEKKA SUE, US
[72] BLAKE, ADAM JAMES, CA
[72] THANDI, ROOHY, CA
[71] GRIES, GERHARD J., CA
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060708)
[87] (WO2017/079680)
[30] US (62/252,223) 2015-11-06

[21] **3,004,094**
[13] A1
[51] **Int.Cl. A61B 3/10 (2006.01) G06T 7/149 (2017.01)**
[25] EN
[54] **RESOLUTION ENHANCEMENT OF OCT IMAGES DURING VITREORETINAL SURGERY**
[54] **AMELIORATION DE LA RESOLUTION D'IMAGES DE TOMOGRAPHIE PAR COHERENCE OPTIQUE AU COURS D'UNE CHIRURGIE VITREO-RETINIENNE**
[72] CHARLES, STEVEN T., US
[71] NOVARTIS AG, CH
[85] 2018-05-02
[86] 2016-11-15 (PCT/US2016/061974)
[87] (WO2017/087356)
[30] US (14/942,801) 2015-11-16

---

[21] **3,004,095**
[13] A1
[51] **Int.Cl. C07D 277/64 (2006.01) C07D 409/12 (2006.01)**
[25] EN
[54] **INHIBITORS OF ARGININE GINGIPAIN**
[54] **INHIBITEURS D'ARGININE GINGIPAINE**
[72] KONRADI, ANDREI, US
[72] DOMINY, STEPHEN S., US
[72] LYNCH, CASEY C., US
[72] COBURN, CRAIG, US
[72] VACCA, JOSEPH, US
[71] CORTEXYME, INC., US
[85] 2018-05-02
[86] 2016-11-09 (PCT/US2016/061197)
[87] (WO2017/083433)
[30] US (62/253,039) 2015-11-09
[30] US (62/338,924) 2016-05-19

---

[21] **3,004,096**
[13] A1
[51] **Int.Cl. C05C 7/00 (2006.01) A01N 25/00 (2006.01) A01N 59/24 (2006.01) A01P 5/00 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **PRE-PLANT BIOCIDE USES OF CYANAMIDES**
[54] **USAGES BIOCIDES DE CYANAMIDES AQUEUX AVANT LA PLANTATION**
[72] MCKENRY, MICHAEL, US
[71] METBRO DISTRIBUTING LP, US
[85] 2018-05-02
[86] 2016-11-07 (PCT/US2016/060842)
[87] (WO2017/083231)
[30] US (62/252,833) 2015-11-09

---

[21] **3,004,098**
[13] A1
[51] **Int.Cl. G06Q 50/30 (2012.01) G06Q 10/04 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SHARED TRANSPORT**
[54] **PROCEDE ET SYSTEME DE TRANSPORT PARTAGE**
[72] PAN, BIN, US
[72] GODIL, HASRAT, US
[72] TOLKIN, BRIAN, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2018-05-02
[86] 2016-11-16 (PCT/US2016/062344)
[87] (WO2017/087565)
[30] US (14/942,361) 2015-11-16

---

[21] **3,004,100**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H02J 50/12 (2016.01)**
[25] EN
[54] **COUPLED RESONATOR IN A METAL BACK COVER**
[54] **RESONATEUR COUPLE DANS UN COUVERCLE ARRIERE METALLIQUE**
[72] JEONG, SEONG HEON, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-02
[86] 2016-11-09 (PCT/US2016/061024)
[87] (WO2017/099929)
[30] US (62/264,196) 2015-12-07
[30] US (15/149,024) 2016-05-06

---

[21] **3,004,102**
[13] A1
[51] **Int.Cl. G01N 27/447 (2006.01) B01L 3/00 (2006.01) F16K 99/00 (2006.01) G01N 30/08 (2006.01) G01N 30/46 (2006.01) G01N 30/60 (2006.01) G01N 30/20 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF PRECONCENTRATING ANALYTES IN A MICROFLUIDIC DEVICE**
[54] **SYSTEME ET PROCEDE DE PRECONCENTRATION D'ANALYTES DANS UN DISPOSITIF MICROFLUIDIQUE**
[72] KELLY, RYAN T., US
[72] CONG, YONGZHENG, US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2018-05-02
[86] 2016-12-02 (PCT/US2016/064654)
[87] (WO2017/096186)
[30] US (14/958,248) 2015-12-03

---

[21] **3,004,106**
[13] A1
[51] **Int.Cl. G05B 19/4097 (2006.01) G06Q 10/04 (2012.01) C14B 5/00 (2006.01)**
[25] EN
[54] **REMOTE MATERIAL YIELD OPTIMIZATION FOR LEATHER AND OTHER HETEROGENEOUS MATERIAL**
[54] **OPTIMISATION DE RENDEMENT DE MATERIAU A DISTANCE POUR LE CUIR ET AUTRE MATERIAU HETEROGENE**
[72] GORDON, THOMAS A., US
[72] LORD, WILIAM T., US
[72] RHODES, TODD ALAN, US
[71] GERBER TECHNOLOGY, INC., US
[85] 2018-05-02
[86] 2016-11-09 (PCT/US2016/061071)
[87] (WO2017/083344)
[30] US (14/937,487) 2015-11-10

[21] **3,004,107**
[13] A1
[51] **Int.Cl. C07H 5/06 (2006.01) A61K 31/7032 (2006.01)**
[25] EN
[54] **GLYCOLIPID COMPOUNDS AND THEIR USES IN THE TREATMENT OF TUMOURS**
[54] **COMPOSES GLYCOLIPIDES ET LEURS UTILISATIONS DANS LE TRAITEMENT DE TUMEURS**
[72] BOVIN, NICOLAI VLADIMIROVICH, RU
[72] TUZIKOV, ALEXANDER BORISOVICH, RU
[72] KORCHAGINA, ELENA YURIEVNA, RU
[72] HENRY, STEPHEN, NZ
[72] GRIFFITHS, GRAHAM, GB
[72] SHAW, STEPHEN, GB
[71] AGALIMMUNE LIMITED, GB
[71] KODE BIOTECH LIMITED, NZ
[85] 2018-05-02
[86] 2015-11-11 (PCT/RU2015/000766)
[87] (WO2017/082753)

---

[21] **3,004,109**
[13] A1
[51] **Int.Cl. F16K 11/07 (2006.01) F16K 31/68 (2006.01) G05D 23/02 (2006.01) G05D 23/13 (2006.01)**
[25] EN
[54] **A THERMOSTATIC MIXING VALVE WITH DISINFECTING FACILITY**
[54] **ROBINET MELANGEUR THERMOSTATIQUE AVEC FONCTIONNALITE DE DESINFECTION**
[72] FORRESTAL, DAVID PETER, AU
[72] HAY, GARY, AU
[71] RELIANCE WORLDWIDE CORPORATION (AUST.) PTY. LTD., AU
[85] 2018-05-03
[86] 2016-11-04 (PCT/AU2016/051055)
[87] (WO2017/075668)
[30] AU (2015904544) 2015-11-05
[30] AU (2015905339) 2015-12-22

---

[21] **3,004,112**
[13] A1
[51] **Int.Cl. G06F 17/50 (2006.01)**
[25] EN
[54] **OPTIMIZATION UNDER UNCERTAINTY FOR INTEGRATED MODELS**
[54] **OPTIMISATION EN PRESENCE D'INCERTITUDE POUR MODELES INTEGRES**
[72] HALABE, VIJAYA, US
[72] BAILEY, WILLIAM J., US
[72] PRANGE, MICHAEL DAVID, US
[72] TONKIN, TREVOR GRAHAM, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-05-02
[86] 2016-10-25 (PCT/US2016/058559)
[87] (WO2017/074883)
[30] US (62/247,073) 2015-10-27

---

[21] **3,004,117**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTIBODIES SPECIFICALLY BINDING PD-1 AND THEIR USES**
[54] **ANTICORPS SE LIANT SPECIFIQUEMENT A PD-1 ET LEURS UTILISATIONS**
[72] VERONA, RALUCA, US
[72] POWERS, GORDON, US
[72] SABINS, NINA CHI, US
[72] DEANGELIS, NIKKI A., US
[72] SANTULLI-MAROTTO, SANDRA, US
[72] WIEHAGEN, KARLA R., US
[72] UBANI, ENRIQUE ZUDAIRE, US
[72] FERRANTE, CATHERINE, US
[72] WU, SHENG-JIUN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059833)
[87] (WO2017/079112)
[30] US (62/250,095) 2015-11-03

---

[21] **3,004,119**
[13] A1
[51] **Int.Cl. A01J 11/02 (2006.01) A01J 11/04 (2006.01) B01D 19/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING FOAMING IN A DEGASSING DEVICE FOR LIQUIDS AND HEAT-EXCHANGER SYSTEM FOR SUCH A DEVICE**
[54] **PROCEDE ET DISPOSITIF DE REGULATION DE LA FORMATION DE MOUSSE DANS UN DISPOSITIF DE DEGAZAGE POUR LIQUIDES ET SYSTEME D'ECHANGEURS THERMIQUES POUR UN TEL DISPOSITIF**
[72] ASSING, HUBERT, DE
[72] BUSS, HELMUT, DE
[72] ROLLE, ULRICH, DE
[72] SCHMIED, ANDREAS, DE
[72] SCHWENZOW, UWE, DE
[72] TACKE, LUDGER, DE
[72] ZIMMERMANN, DIETRICH, DE
[71] GEA TDS GMBH, DE
[85] 2018-05-03
[86] 2016-10-25 (PCT/EP2016/001763)
[87] (WO2017/076488)
[30] DE (10 2015 014 107.4) 2015-11-03
[30] DE (10 2015 015 056.1) 2015-11-20

---

[21] **3,004,120**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) C07K 19/00 (2006.01)**
[25] EN
[54] **GENETICALLY MODIFIED CELLS AND USES THEREOF**
[54] **CELLULES GENETIQUEMENT MODIFIEES ET UTILISATIONS DE CES DERNIERES**
[72] BOYD, RICHARD, AU
[72] TROUNSON, ALAN, AU
[72] KAWAMOTO, HIROSHI, AU
[71] CARTHERICS PTY. LTD., AU
[85] 2018-05-03
[86] 2016-11-23 (PCT/AU2016/051141)
[87] (WO2017/088012)
[30] AU (2015904933) 2015-11-27
[30] AU (2016901328) 2016-04-11

[21] **3,004,122**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **CRYSTALLINE HIGH MODULUS THERMOPLASTIC POLYURETHANE**
[54] **POLYURETHANE THERMOPLASTIQUE CRISTALLIN A MODULE ELEVE**
[72] LU, QIWEI, US
[72] FARKAS, JULIUS, US
[72] MAKADIA, CHETAN M., US
[72] JING, ALEXANDER JIAOKAI, US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059812)
[87] (WO2017/079101)
[30] US (62/251,724) 2015-11-06

---

[21] **3,004,123**
[13] A1
[51] **Int.Cl. C09D 11/10 (2014.01) C09D 11/103 (2014.01) C09D 11/107 (2014.01) C09D 11/50 (2014.01) C09B 67/00 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **CORE-SHELL PARTICLE-BASED SECURITY PIGMENT, AND PRODUCTION METHOD**
[54] **PIGMENT DE SECURITE A BASE DE PARTICULES COEUR-ECORCE ET SON PROCEDE DE FABRICATION**
[72] KECHT, JOHANN, DE
[72] SCHLOSSBAUER, AXEL, DE
[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
[85] 2018-05-03
[86] 2016-11-09 (PCT/EP2016/001862)
[87] (WO2017/080653)
[30] DE (10 2015 014 537.1) 2015-11-11

---

[21] **3,004,124**
[13] A1
[51] **Int.Cl. C09K 11/06 (2006.01) B42D 25/00 (2014.01) B32B 27/30 (2006.01) C08L 33/12 (2006.01) C09K 11/02 (2006.01) D21H 21/40 (2006.01)**
[25] EN
[54] **SECURITY PIGMENT, LUMINESCENT POLYMER RESIN AND METHOD FOR PRODUCING SAME**
[54] **PIGMENT DE SECURITE, RESINE POLYMERE LUMINESCENTE ET PROCEDE DE PRODUCTION**
[72] KECHT, JOHANN, DE
[72] SCHLOSSBAUER, AXEL, DE
[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
[85] 2018-05-03
[86] 2016-11-09 (PCT/EP2016/001864)
[87] (WO2017/080655)
[30] DE (10 2015 014 526.6) 2015-11-11

---

[21] **3,004,125**
[13] A1
[51] **Int.Cl. B41M 3/14 (2006.01) B42D 25/29 (2014.01) B42D 25/30 (2014.01) B42D 25/387 (2014.01) C09D 11/037 (2014.01) C09B 67/02 (2006.01) C09B 67/08 (2006.01) C09B 67/22 (2006.01) C09D 161/28 (2006.01) C09K 11/06 (2006.01) D21H 21/30 (2006.01) G01N 21/64 (2006.01) G07D 7/12 (2016.01)**
[25] EN
[54] **CORE-SHELL PARTICLE-BASED SECURITY PIGMENT AND METHOD FOR PRODUCTION THEREOF**
[54] **PIGMENT DE SECURITE A BASE DE PARTICULES COEUR-ECORCE ET SON PROCEDE DE PRODUCTION**
[72] KECHT, JOHANN, DE
[72] SCHLOSSBAUER, AXEL, DE
[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
[85] 2018-05-03
[86] 2016-11-09 (PCT/EP2016/001865)
[87] (WO2017/080656)
[30] DE (10 2015 014 525.8) 2015-11-11

---

[21] **3,004,128**
[13] A1
[51] **Int.Cl. H01R 13/46 (2006.01) H01R 9/22 (2006.01)**
[25] EN
[54] **DISTRIBUTION MODULE WITH SELECTOR SWITCH**
[54] **MODULE REPARTITEUR A SELECTEUR**
[72] JUNG, MARKUS, DE
[72] LIEB, GERALD, DE
[72] TETTENBORN, CARSTEN, DE
[72] VOSSELER, JULIAN, DE
[72] SCHOPF, THOMAS, DE
[71] BELDEN DEUTSCHLAND GMBH, DE
[85] 2018-05-03
[86] 2016-10-20 (PCT/EP2016/075256)
[87] (WO2017/068056)
[30] DE (10 2015 220 562.2) 2015-10-21

---

[21] **3,004,129**
[13] A1
[51] **Int.Cl. C01B 17/78 (2006.01) B01D 53/14 (2006.01) B01J 19/00 (2006.01) C01B 17/79 (2006.01) C01B 17/80 (2006.01)**
[25] EN
[54] **METHOD AND PLANT DESIGN FOR REDUCTION OF START-UP SULFUR OXIDE EMISSIONS IN SULFURIC ACID PRODUCTION**
[54] **PROCEDE ET CONCEPTION D'INSTALLATION POUR LA REDUCTION DES EMISSIONS D'OXYDE DE SOUFRE AU DEMARRAGE DANS LA PRODUCTION D'ACIDE SULFURIQUE**
[72] GRANROTH, MARTEN NILS RICKARD, SE
[72] SORENSEN, PER AGGERHOLM, DK
[72] CHRISTENSEN, KURT AGERBAEK, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2018-05-03
[86] 2016-10-24 (PCT/EP2016/075492)
[87] (WO2017/076673)
[30] DK (PA 2015 00697) 2015-11-06

[21] **3,004,130**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) F04B 1/00 (2006.01) F04B 19/06 (2006.01) G01N 1/00 (2006.01) G01N 30/20 (2006.01)**
[25] EN
[54] **SAMPLE PREPARATION DEVICE**
[54] **DISPOSITIF DE PREPARATION D'ECHANTILLONS**
[72] HAWORTH, DANIEL NICHOLAS, GB
[72] PALMER-FELGATE, JOHN PAUL, GB
[71] ALERE SAN DIEGO, INC., US
[71] ALERE SWITZERLAND GMBH, CH
[85] 2018-05-03
[86] 2016-10-31 (PCT/EP2016/076263)
[87] (WO2017/076817)
[30] GB (1519565.4) 2015-11-05

---

[21] **3,004,131**
[13] A1
[51] **Int.Cl. F16B 43/00 (2006.01) B02C 17/00 (2006.01) B02C 17/18 (2006.01) B02C 17/22 (2006.01) F16B 1/00 (2006.01) F16B 21/00 (2006.01) F16B 39/00 (2006.01) F16B 39/24 (2006.01) F16B 39/284 (2006.01) F16B 39/34 (2006.01) F16F 1/32 (2006.01)**
[25] EN
[54] **DEVICE FOR PREVENTING SPILLS FROM INSIDE MINING MILLS, SAID DEVICE MAINTAINING A SEAL AROUND BOLTS USED TO SECURE MILL LINERS, AND MAINTAINING SAID BOLTS UNDER TENSION BY MEANS OFAN ELASTIC ACTION**
[54] **DISPOSITIF POUR EVITER LES FUITES DE L'INTERIEUR DE BROYEURS DE MINERAI, QUI MAINTIENT L'ETANCHEITE DES BOULONS DE FIXATION DE REVETEMENTS DE BROYEURS, AINSI QUE LA CONTRAINTE DE CES BOULONS POUR LEUR ACTION ELASTIQUE**
[72] ENDO ARRIAGADA, ALVARO ENRIQUE, CL
[71] ENDO ARRIAGADA, ALVARO ENRIQUE, CL
[85] 2018-05-03
[86] 2016-08-30 (PCT/CL2016/000050)
[87] (WO2017/066892)
[30] CL (3138-2015) 2015-10-23

---

[21] **3,004,132**
[13] A1
[51] **Int.Cl. C07K 14/005 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **A RETROVIRAL VECTOR FOR THE ADMINISTRATION AND EXPRESSION OF REPLICON RNA EXPRESSING HETEROLOGOUS NUCLEIC ACIDS**
[54] **VECTEUR RETROVIRAL POUR L'ADMINISTRATION ET L'EXPRESSION D'UN REPLICON ARN EXPRIMANT DES ACIDES NUCLEIQUES HETEROLOGUES**
[72] BERGLUND, PETER LARS AKSEL, US
[72] ARCHER, JACOB FREEMAN, US
[72] LIN, TSAI-YU, US
[71] IMMUNE DESIGN CORP., US
[85] 2018-05-02
[86] 2016-11-09 (PCT/US2016/061092)
[87] (WO2017/083356)
[30] US (62/252,865) 2015-11-09

---

[21] **3,004,133**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01) G05B 19/02 (2006.01)**
[25] EN
[54] **USING MODELS AND RELATIONSHIPS TO OBTAIN MORE EFFICIENT DRILLING USING AUTOMATIC DRILLING APPARATUS**
[54] **UTILISATION DE MODELES ET DE RELATIONS POUR OBTENIR UN FORAGE PLUS EFFICACE A L'AIDE D'UN APPAREIL DE FORAGE AUTOMATIQUE**
[72] BELASKIE, JAMES, US
[72] MEEHAN, RICHARD JOHN, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-05-02
[86] 2016-11-10 (PCT/US2016/061222)
[87] (WO2017/083454)
[30] US (62/254,062) 2015-11-11

---

[21] **3,004,134**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/18 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTIBODIES SPECIFICALLY BINDING TIM-3 AND THEIR USES**
[54] **ANTICORPS SE LIANT SPECIFIQUEMENT A TIM-3 ET LEURS UTILISATIONS**
[72] VERONA, RALUCA, US
[72] POWERS, GORDON, US
[72] SABINS, NINA CHI, US
[72] DEANGELIS, NIKKI A., US
[72] SANTULLI-MAROTTO, SANDRA, US
[72] WIEHAGEN, KARLA R., US
[72] WU, SHENG-JIUN, US
[72] FERRANTE, CATHERINE, US
[72] UBANI, ENRIQUE ZUDAIRE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059836)
[87] (WO2017/079115)
[30] US (62/250,095) 2015-11-03

---

[21] **3,004,136**
[13] A1
[51] **Int.Cl. F27D 1/04 (2006.01) E04B 2/08 (2006.01) E04B 2/16 (2006.01) E04C 1/00 (2006.01) F23M 3/04 (2006.01) F23M 3/16 (2006.01) F27B 3/12 (2006.01)**
[25] EN
[54] **REFRACTORY INSERT MEMBERS, REFRACTORY BLOCK ASSEMBLY INCLUDING SAME AND REFORMER FLUE GAS TUNNEL ASSEMBLY INCLUDING SAME**
[54] **ELEMENTS INSERES REFRACTAIRES, ENSEMBLE BLOC REFRACTAIRE LES COMPRENANT ET ENSEMBLE TUNNEL DE GAZ DE COMBUSTION DE REFORMEUR COMPRENANT CEUX-CI**
[72] RUSSELL, WILLIAM P., US
[72] QUINTILIANI, JOSEPH D., US
[72] BOLEBRUCH, JEFFREY J., US
[71] BLASCH PRECISION CERAMICS, INC., US
[85] 2018-05-02
[86] 2016-11-10 (PCT/US2016/061307)
[87] (WO2017/083506)
[30] US (62/254,923) 2015-11-13

[21] **3,004,137**
[13] A1
[51] **Int.Cl. A47L 13/58 (2006.01) A47J 47/18 (2006.01)**
[25] EN
[54] **BUCKET**
[54] **SEAU**
[72] RUCKHEIM, MARKUS, DE
[72] MAST, CHRISTIAN, DE
[72] KOSUB, MIKE, DE
[72] CASCIONE, TOMASO, IT
[71] CARL FREUDENBERG KG, DE
[85] 2018-05-03
[86] 2016-11-02 (PCT/EP2016/076426)
[87] (WO2017/076904)
[30] DE (10 2015 014 122.8) 2015-11-04

---

[21] **3,004,138**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTIBODIES SPECIFICALLY BINDING PD-1 AND TIM-3 AND THEIR USES**
[54] **DES ANTICORPS SE LIANT SPECIFIQUEMENT A PD -1 ET LE TIM -3 ET LEURS UTILISATIONS**
[72] VERONA, RALUCA, US
[72] POWERS, GORDON, US
[72] SABINS, NINA CHI, US
[72] DEANGELIS, NIKKI A., US
[72] SANTULLI-MAROTTO, SANDRA, US
[72] WIEHAGEN, KARLA R., US
[72] WU, SHENG-JIUN, US
[72] FERRANTE, CATHERINE, US
[72] UBANI, ENRIQUE ZUDAIRE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059837)
[87] (WO2017/079116)
[30] US (62/250,095) 2015-11-03

---

[21] **3,004,139**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 50/10 (2012.01) G06Q 50/22 (2018.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **PRESCRIPTION HOME DELIVERY**
[54] **LIVRAISON A DOMICILE DE MEDICAMENTS SUR ORDONNANCE**
[72] NATARAJAN, CHANDRASHEKAR, US
[72] HIGH, DONALD R., US
[72] O'BRIEN, JOHN J., V, US
[71] WALMART APOLLO, LLC, US
[85] 2018-05-02
[86] 2016-11-10 (PCT/US2016/061332)
[87] (WO2017/083517)
[30] US (62/253,534) 2015-11-10

---

[21] **3,004,140**
[13] A1
[51] **Int.Cl. A23C 9/15 (2006.01) A23C 1/00 (2006.01) A23C 1/16 (2006.01) A23C 9/142 (2006.01) A23C 9/152 (2006.01) A23C 9/156 (2006.01) A23C 13/12 (2006.01) A23C 13/14 (2006.01)**
[25] EN
[54] **CONCENTRATE FOR MILKY BEVERAGES, BEVERAGE CAPSULE AND METHOD OF MAKING BEVERAGE WITH CAPSULE**
[54] **CONCENTRE POUR BOISSONS LAITIERES, CAPSULE DE BOISSON, ET PROCEDE DE FABRICATION DE BOISSON AVEC CAPSULE**
[72] DEMMER, THOMAS, DE
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2018-05-03
[86] 2016-11-03 (PCT/EP2016/076494)
[87] (WO2017/076940)
[30] GB (1519642.1) 2015-11-06

---

[21] **3,004,141**
[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **COOLING SYSTEMS FOR DEVICES ARRANGED IN ROWS**
[54] **SYSTEMES DE REFROIDISSEMENT POUR DISPOSITIFS AGENCES EN RANGEES**
[72] HEIM, FRANK, US
[72] GEBKE, KEVIN J., US
[72] WHITE, MICAELA, US
[72] KAUFMANN, NICHOLAS L., US
[71] RITE-HITE HOLDING CORPORATION, US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059843)
[87] (WO2017/079122)
[30] US (14/932,676) 2015-11-04

---

[21] **3,004,142**
[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] XU, JIN, CN
[72] LIU, SIQI, CN
[72] GAO, CHENG, CN
[72] JIN, BINGCHENG, CN
[72] CHEN, JINHUI, CN
[71] SONY CORPORATION, JP
[85] 2018-05-03
[86] 2016-10-31 (PCT/CN2016/103994)
[87] (WO2017/076250)
[30] CN (201510753149.1) 2015-11-06

[21] **3,004,143**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01)**
[25] EN
[54] **GAS-REPLENISHING AND ENTHALPY-INCREASING CONTROL METHOD, DEVICE AND APPARATUS FOR TWO-STAGE COMPRESSOR**
[54] **PROCEDE ET APPAREIL DE COMMANDE D'APPORT D'AIR ET D'AUGMENTATION D'ENTHALPIE POUR COMPRESSEUR A DEUX ETAGES ET EQUIPEMENT ASSOCIE**
[72] ZHAO, HUAN, CN
[72] SHEN, JUN, CN
[72] TAN, FENG, CN
[72] LIANG, YOUXUAN, CN
[72] LI, PENGFEI, CN
[71] GREE ELECTRIC APPLIANCES,INC.OF ZHUHAI, CN
[85] 2018-05-03
[86] 2016-05-05 (PCT/CN2016/081171)
[87] (WO2017/096752)
[30] CN (201510926140.6) 2015-12-11

---

[21] **3,004,145**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 38/37 (2006.01) A61K 47/02 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **FVIII FORMULATION**
[54] **FORMULATION DE FVIII**
[72] KROGH, THOMAS NYLANDSTED, DK
[72] JENSEN, MICHAEL BECH, DK
[72] BAGGER, HEIDI WESTH, DK
[71] NOVO NORDISK A/S, DK
[85] 2018-05-03
[86] 2016-11-03 (PCT/EP2016/076548)
[87] (WO2017/076967)
[30] EP (15193099.7) 2015-11-05

---

[21] **3,004,146**
[13] A1
[51] **Int.Cl. A61F 2/04 (2013.01)**
[25] EN
[54] **ENDOSCOPIC ORGAN MANIPULATION DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE MANIPULATION D'ORGANE ENDOSCOPIQUE**
[72] KEACH, DAVID C., US
[72] MOONEY, NATHAN K., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059846)
[87] (WO2017/079124)
[30] US (62/250,081) 2015-11-03
[30] US (15/338,759) 2016-10-31

---

[21] **3,004,147**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **CRYSTAL FORM, PREPARATION METHOD AND INTERMEDIATE OF DIHYDROPYRIDO RING COMPOUND**
[54] **FORME CRISTALLINE, PROCEDE DE PREPARATION ET INTERMEDIAIRE D'UN COMPOSE A CYCLE DIHYDROPYRIDINE**
[72] HE, HAIYING, CN
[72] ZHOU, KAI, CN
[72] LI, XIAOLIN, CN
[72] WANG, XIAOFEI, CN
[72] QIN, DAKUN, CN
[72] WANG, XINGXING, CN
[72] YANG, FEIFEI, CN
[72] WANG, ZHENG, CN
[72] LI, ZONGBIN, CN
[71] QILU PHARMACEUTICAL CO., LTD., CN
[85] 2018-05-03
[86] 2016-11-02 (PCT/CN2016/104325)
[87] (WO2017/076286)
[30] CN (201510742546.9) 2015-11-04

---

[21] **3,004,148**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 14/00 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **AN NKG2D-IG FUSION PROTEIN FOR CANCER IMMUNOTHERAPY**
[54] **PROTEINE DE FUSION NKG2D-IG POUR L'IMMUNOTHERAPIE CONTRE LE CANCER**
[72] DRANOFF, GLENN, US
[72] SULLIVAN, RYAN, US
[72] VANNEMAN, MATTHEW, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2018-05-02
[86] 2016-11-11 (PCT/US2016/061479)
[87] (WO2017/083612)
[30] US (62/255,016) 2015-11-13

---

[21] **3,004,149**
[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 21/08 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL HAVING AN AXIAL PASSAGE AND A LATERAL FLUID PASSAGE BEING OPENED / CLOSED**
[54] **OUTIL DE FOND COMPORTANT UN PASSAGE AXIAL ET UN PASSAGE DE FLUIDE LATERAL ETANT OUVERT/FERME**
[72] BEVERIDGE, WILLIAM ALEXANDER, GB
[71] ZENITH OILFIELD TECHNOLOGY LIMITED, GB
[85] 2018-05-03
[86] 2016-11-03 (PCT/EP2016/076609)
[87] (WO2017/077003)
[30] GB (1519580.3) 2015-11-05

[21] **3,004,150**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **SINGLE CELL GENOMIC PROFILING OF CIRCULATING TUMOR CELLS (CTCS) IN METASTATIC DISEASE TO CHARACTERIZE DISEASE HETEROGENEITY**
[54] **PROFILAGE GENOMIQUE MONOCELLULAIRE DE CELLULES TUMORALES CIRCULANTES (CTC) DANS UNE MALADIE METASTATIQUE PERMETTANT DE CARACTERISER L'HETEROGENEITE DE LA MALADIE**
[72] DITTAMORE, RYAN, US
[72] MARRINUCCI, DENA, US
[71] EPIC SCIENCES, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059877)
[87] (WO2017/079139)
[30] US (62/250,422) 2015-11-03

---

[21] **3,004,151**
[13] A1
[51] **Int.Cl. C08B 30/12 (2006.01) C08B 31/04 (2006.01) C08B 31/18 (2006.01)**
[25] EN
[54] **STABILIZED STARCH**
[54] **AMIDON STABILISE**
[72] FONTEYN, DIRK, BE
[71] CARGILL, INCORPORATED, US
[85] 2018-05-02
[86] 2016-11-16 (PCT/US2016/062235)
[87] (WO2017/091409)
[30] EP (15196552.2) 2015-11-26

---

[21] **3,004,152**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/198 (2006.01) A61K 31/4439 (2006.01) A61K 31/573 (2006.01) A61K 31/69 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **SUBCUTANEOUS FORMULATIONS OF ANTI-CD38 ANTIBODIES AND THEIR USES**
[54] **FORMULATIONS SOUS-CUTANEE D'ANTICORPS ANTI-CD38 ET LEURS UTILISATIONS**
[72] JANSSON, RICHARD, US
[72] KUMAR, VINEET, US
[71] JANSSEN BIOTECH, INC., US
[85] 2018-05-02
[86] 2016-11-01 (PCT/US2016/059893)
[87] (WO2017/079150)
[30] US (62/250,016) 2015-11-03

---

[21] **3,004,153**
[13] A1
[51] **Int.Cl. A61K 36/736 (2006.01) A23L 33/105 (2016.01) A61P 1/16 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **PROPHYLACTIC AND/OR THERAPEUTIC AGENT FOR NAFLD/NASH**
[54] **AGENT PROPHYLACTIQUE ET/OU THERAPEUTIQUE POUR NAFLD/NASH**
[72] HIRAISHI, KATSUYA, JP
[72] JIMMA, FUMIE, JP
[72] SOMA, HIROYUKI, JP
[72] ADACHI, TARO, JP
[72] ADACHI, MASAKAZU, JP
[72] YAMAOKA, IPPEI, JP
[72] KAGAWA, TOMOHIRO, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[71] ADABIO CO.,LTD., JP
[85] 2018-05-02
[86] 2016-11-25 (PCT/JP2016/004963)
[87] (WO2017/090253)
[30] JP (2015-232053) 2015-11-27

---

[21] **3,004,154**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/44 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01) C08K 5/00 (2006.01)**
[25] EN
[54] **HIGH MODULUS THERMOPLASTIC POLYURETHANE**
[54] **POLYURETHANE THERMOPLASTIQUE A HAUT MODULE**
[72] LU, QIWEI, US
[72] FARKAS, JULIUS, US
[72] MAKADIA, CHETAN M., US
[72] JING, ALEXANDER JIAOKAI, US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2018-05-02
[86] 2016-11-02 (PCT/US2016/059976)
[87] (WO2017/079188)
[30] US (62/251,727) 2015-11-06

---

[21] **3,004,155**
[13] A1
[51] **Int.Cl. A23D 7/005 (2006.01) A23L 29/281 (2016.01) A23D 7/00 (2006.01) A23D 7/02 (2006.01) A23D 7/05 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING FAT CONTINUOUS EMULSIONS CONTAINING PROTEIN**
[54] **PROCEDE DE PREPARATION D'EMULSIONS CONTINUES DE MATIERE GRASSE CONTENANT DES PROTEINES**
[72] LAGERWAARD, CORNELIS ABRAHAM, NL
[72] DE MAN, TEUNIS, NL
[72] MEEUSE, FREDERIK MICHIEL, NL
[71] UNILEVER BCS LIMITED, GB
[85] 2018-05-03
[86] 2016-11-08 (PCT/EP2016/076915)
[87] (WO2017/084908)
[30] EP (15195609.1) 2015-11-20

[21] **3,004,156**
[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) B01J 29/40 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR PRODUCING GASOLINE FROM OXYGENATES**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'ESSENCE A PARTIR D'OXYGENATS**
[72] HARANDI, MOHSEN N., US
[72] MCCARTHY, STEPHEN JOHN, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2018-05-02
[86] 2016-11-02 (PCT/US2016/060052)
[87] (WO2017/087174)
[30] US (62/256,810) 2015-11-18

---

[21] **3,004,157**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/00 (2006.01)**
[25] EN
[54] **ASSESSMENT OF FLOW NETWORKS**
[54] **EVALUATION DE RESEAUX D'ECOULEMENT**
[72] GUNNERUD, VIDAR, NO
[72] SANDNES, ANDERS, NO
[72] UGLANE, VIDAR THUNE, NO
[72] URSIN-HOLM, STINE, NO
[71] SOLUTION SEEKER AS, NO
[85] 2018-05-03
[86] 2016-11-04 (PCT/EP2016/076757)
[87] (WO2017/077095)
[30] GB (1519637.1) 2015-11-06

---

[21] **3,004,158**
[13] A1
[51] **Int.Cl. C08F 283/12 (2006.01) G02B 1/04 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **AMPHIPHILIC BRANCHED POLYDIORGANOSILOXANE MACROMERS**
[54] **MACROMERES DE POLYDIORGANOSILOXANE RAMIFIES AMPHIPHILES**
[72] CHANG, FRANK, US
[72] HUANG, JINYU, US
[72] HOLLAND, TROY VERNON, US
[71] NOVARTIS AG, CH
[85] 2018-05-02
[86] 2016-12-13 (PCT/IB2016/057586)
[87] (WO2017/103792)
[30] US (62/267,314) 2015-12-15

---

[21] **3,004,160**
[13] A1
[51] **Int.Cl. A61K 31/4152 (2006.01) A61K 31/167 (2006.01) A61K 31/245 (2006.01)**
[25] EN
[54] **METHOD OF TREATING DISEASE BY AURICULAR ANESTHESIA OF CRANIAL NERVES**
[54] **PROCEDE DE TRAITEMENT D'UNE MALADIE PAR ANESTHESIE AURICULAIRE DES NERFS CRANIENS**
[72] CREWS, THOMAS M., US
[71] CREWS, THOMAS M., US
[85] 2018-05-02
[86] 2016-11-02 (PCT/US2016/060085)
[87] (WO2017/079270)
[30] US (14/931,581) 2015-11-03

---

[21] **3,004,161**
[13] A1
[51] **Int.Cl. B29D 99/00 (2010.01) B29C 70/22 (2006.01) B29C 70/48 (2006.01) F01D 5/28 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A COMPONENT MADE OF COMPOSITE MATERIAL COMPRISING A BODY INTEGRAL WITH ONE OR MORE PLATFORMS**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN MATERIAU COMPOSITE COMPRENANT UN CORPS SOLIDAIRE D'UNE OU PLUSIEURS PLATES-FORMES**
[72] LANFANT, NICOLAS PIERRE, FR
[72] PAUTARD, SEBASTIEN, FR
[71] SAFRAN, FR
[85] 2018-05-03
[86] 2016-11-03 (PCT/FR2016/052848)
[87] (WO2017/077240)
[30] FR (1560649) 2015-11-06

---

[21] **3,004,162**
[13] A1
[51] **Int.Cl. F16C 7/02 (2006.01) F16C 9/04 (2006.01)**
[25] EN
[54] **CONNECTING ROD**
[54] **BIELLE**
[72] BUSSIERES, FREDERIC, AT
[71] GE JENBACHER GMBH & CO OG, AT
[85] 2018-05-03
[86] 2016-11-07 (PCT/EP2016/076816)
[87] (WO2017/077108)
[30] AT (A50950/2015) 2015-11-06

---

[21] **3,004,164**
[13] A1
[51] **Int.Cl. C10L 3/00 (2006.01) B01J 8/00 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR PROCESSING MATERIAL TO GENERATE SYNGAS IN A MODULAR ARCHITECTURE**
[54] **SYSTEME ET APPAREIL POUR TRAITER UN MATERIAU AFIN DE PRODUIRE UN GAZ DE SYNTHESE DANS UNE ARCHITECTURE MODULAIRE**
[72] FRASER, GORDON GERALD DONALD, CA
[72] HOUZE, GRAHAM CAMPBELL, CA
[72] JENSEN, ROBERT CHRISTIAN (DECEASED), CA
[71] RESPONSIBLE ENERGY INC., CA
[85] 2018-05-03
[86] 2015-11-03 (PCT/CA2015/000564)
[87] (WO2017/075686)

---

[21] **3,004,165**
[13] A1
[51] **Int.Cl. A01H 1/08 (2006.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **NON-TRANSGENIC HAPLOID INDUCER LINES IN CUCURBITS**
[54] **LIGNES INDUCTRICES D'HAPLOIDES NON TRANSGENIQUES DANS LES CUCURBITACEES**
[72] VAN DUN, CORNELIS MARIA PETRUS, NL
[72] LELIVELT, CECILIA LUCIA CLARA, NL
[72] MOVAHEDI, SARA, NL
[71] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2018-05-03
[86] 2016-11-08 (PCT/EP2016/076985)
[87] (WO2017/081009)
[30] NL (2015752) 2015-11-09

[21] **3,004,167**
[13] A1
[51] **Int.Cl. A61B 1/04 (2006.01) A61B 90/20 (2016.01) A61B 1/002 (2006.01) A61B 1/045 (2006.01)**
[25] EN
[54] **DUAL ZOOM AND DUAL FIELD-OF-VIEW MICROSCOPE**
[54] **MICROSCOPE A DOUBLE ZOOM ET DOUBLE CHAMP DE VISION**
[72] WOOD, MICHAEL FRANK GUNTER, CA
[72] PIRON, CAMERON ANTHONY, CA
[72] LEE, TAMMY KEE-WAI, CA
[72] ABHARI, KAMYAR, CA
[72] HYNNA, KAI, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-05-03
[86] 2015-11-03 (PCT/CA2015/051128)
[87] (WO2017/075687)

---

[21] **3,004,168**
[13] A1
[51] **Int.Cl. B23P 15/00 (2006.01) B29C 33/38 (2006.01) B29C 33/56 (2006.01) B29C 33/58 (2006.01) B29C 33/70 (2006.01) B29C 33/74 (2006.01) B29C 33/76 (2006.01)**
[25] EN
[54] **PROCESS TO COAT AN INJECTION MOULD**
[54] **PROCEDE POUR REVETIR UN MOULE D'INJECTION**
[72] ZOPPAS, MATTEO, IT
[72] SIGLER, LAURENT, FR
[72] HOANG, MARC, LU
[71] S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT
[85] 2018-05-03
[86] 2016-11-07 (PCT/EP2016/076886)
[87] (WO2017/077129)
[30] IT (102015000070022) 2015-11-06

---

[21] **3,004,169**
[13] A1
[51] **Int.Cl. A01H 1/08 (2006.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **NON-TRANSGENIC HAPLOID INDUCER LINES IN CUCURBITS**
[54] **LIGNEES INDUCTRICES D'HAPLOIDES NON TRANSGENIQUES CHEZ LES CUCURBITACEES**
[72] VAN DUN, CORNELIS MARIA PETRUS, NL
[72] LELIVELT, CECILIA LUCIA CLARA, NL
[72] MOVAHEDI, SARA, NL
[71] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2018-05-03
[86] 2016-11-08 (PCT/EP2016/076987)
[87] (WO2017/081011)
[30] NL (2015753) 2015-11-09

---

[21] **3,004,171**
[13] A1
[51] **Int.Cl. C12N 5/0789 (2010.01) C12N 5/074 (2010.01)**
[25] EN
[54] **PROCESS OF GENE-EDITING OF CELLS ISOLATED FROM A SUBJECT SUFFERING FROM A METABOLIC DISEASE AFFECTING THE ERYTHROID LINEAGE, CELLS OBTAINED BY SAID PROCESS AND USES THEREOF**
[54] **PROCEDE D'EDITION DE GENE DE CELLULES ISOLEES D'UN SUJET ATTEINT D'UNE MALADIE METABOLIQUE AFFECTANT LA LIGNEE ERYTHROIDE, CELLULES OBTENUES PAR LEDIT PROCEDE ET LEURS UTILISATIONS**
[72] SEGOVIA SANZ, JOSE CARLOS, ES
[72] QUINTANA BUSTAMANTE, OSCAR, ES
[72] GARATE MUTILOA, ZITA MAITE, ES
[72] BUEREN RONCERO, JUAN ANTONIO, ES
[72] DAVIS, BRIAN R., US
[72] GALETTO, ROMAN, US
[72] GOUBLE, AGNES, US
[72] POIROT, LAURENT, US
[71] FUNDACION INSTITUTO DE INVESTIGACION SANITARIA FUNDACION JIMENEZ DIAZ, ES
[71] CENTRO DE INVESTIGACION BIOMEDICA EN RED, ES
[71] CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS, ES
[71] CELLECTIS, FR
[85] 2018-05-03
[86] 2016-11-07 (PCT/EP2016/076893)
[87] (WO2017/077135)
[30] EP (15382545.0) 2015-11-05

[21] **3,004,172**
[13] A1
[51] **Int.Cl. H01Q 1/36 (2006.01) H01Q 5/357 (2015.01) H01Q 11/08 (2006.01) H04R 1/04 (2006.01)**
[25] EN
[54] **HELICAL ANTENNA FOR WIRELESS MICROPHONE AND METHOD FOR THE SAME**
[54] **ANTENNE HELICOIDALE POUR MICROPHONE SANS FIL, ET PROCEDE ASSOCIE**
[72] ZACHARA, CHRISTOPHER, US
[72] CELEBI, ADEM, US
[72] BACHMAN, GREGORY W., US
[71] SHURE ACQUISITION HOLDINGS, INC., US
[85] 2018-05-02
[86] 2016-11-16 (PCT/US2016/062286)
[87] (WO2017/087526)
[30] US (14/947,933) 2015-11-20

---

[21] **3,004,173**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **7-(THIAZOL-5-YL) PYRROLOPYRIMIDINE COMPOUND AS TLR7 AGONIST**
[54] **UTILISATION DU COMPOSE 7-(THIAZOL-5-YL)PYRROLOPYRIMIDINE COMME AGONISTE DE TLR7**
[72] DING, ZHAOZHONG, CN
[72] SUN, FEI, CN
[72] WU, LIFANG, CN
[72] WU, HAO, CN
[72] CHEN, SHUHUI, CN
[72] YANG, LING, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2018-05-03
[86] 2016-11-04 (PCT/CN2016/104644)
[87] (WO2017/076346)
[30] CN (201510744651.6) 2015-11-05

---

[21] **3,004,175**
[13] A1
[51] **Int.Cl. G06F 15/177 (2006.01)**
[25] EN
[54] **SERVICE ACTIVATION SYSTEM**
[54] **SYSTEME D'ACTIVATION DE SERVICE**
[72] ADKINS, JAMES M., III, US
[72] TYSTAD, CRAIG, US
[72] DWYER, JAMES C., US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2018-05-02
[86] 2016-11-18 (PCT/US2016/062812)
[87] (WO2017/087822)
[30] US (62/256,932) 2015-11-18

---

[21] **3,004,176**
[13] A1
[51] **Int.Cl. C12P 7/44 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **GENETICALLY MODIFIED YEASTS AND FERMENTATION PROCESSES USING GENETICALLY MODIFIED YEASTS**
[54] **LEVURES GENETIQUEMENT MODIFIEES ET PROCEDES DE FERMENTATION UTILISANT DES LEVURES GENETIQUEMENT MODIFIEES**
[72] JAUERT, PETER ALAN, US
[72] RUSH, BRIAN, US
[72] FOSMER, ARLENE M, US
[72] POYNTER, GREGORY M., US
[71] CARGILL, INCORPORATED, US
[85] 2018-05-02
[86] 2016-11-22 (PCT/US2016/063401)
[87] (WO2017/091610)
[30] US (62/259,531) 2015-11-24

---

[21] **3,004,177**
[13] A1
[51] **Int.Cl. C12P 7/06 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **GENETICALLY MODIFIED YEASTS AND FERMENTATION PROCESSES USING GENETICALLY MODIFIED YEASTS**
[54] **LEVURES GENETIQUEMENT MODIFIEES ET PROCEDES DE FERMENTATION UTILISANT DES LEVURES GENETIQUEMENT MODIFIEES**
[72] JAUERT, PETER ALAN, US
[72] LU, CHENFENG, US
[72] POYNTER, GREGORY M., US
[72] RUSH, BRIAN, US
[71] CARGILL, INCORPORATED, US
[85] 2018-05-02
[86] 2016-11-22 (PCT/US2016/063406)
[87] (WO2017/091614)
[30] US (62/259,531) 2015-11-24

---

[21] **3,004,178**
[13] A1
[51] **Int.Cl. C08G 12/26 (2006.01) C08G 12/42 (2006.01) C09D 133/14 (2006.01) C09D 161/32 (2006.01)**
[25] EN
[54] **FORMALDEHYDE FREE CROSSLINKING COMPOSITIONS**
[54] **COMPOSITIONS DE RETICULATION EXEMPTES DE FORMALDEHYDE**
[72] TREASURER, URVEE Y., US
[72] WILDE, ZACHARY, US
[72] FLOOD, LAWRENCE, US
[72] QUINN, SARAH, US
[72] BROGAN, COLIN, US
[72] GUPTA, RAM, US
[71] ALLNEX NETHERLANDS B.V., NL
[85] 2018-05-03
[86] 2016-12-23 (PCT/EP2016/082521)
[87] (WO2017/114771)
[30] US (14/984,155) 2015-12-30

[21] **3,004,179**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01) G06F 21/62 (2013.01) A47G 29/14 (2006.01) B64C 39/02 (2006.01) G07F 17/12 (2006.01)**
[25] EN
[54] **UNMANNED AERIAL DELIVERY TO SECURE LOCATION**
[54] **LIVRAISON AERIENNE SANS PILOTE A UN EMPLACEMENT SECURISE**
[72] NATARAJAN, CHANDRASHEKAR, US
[72] HIGH, DONALD R., US
[72] O'BRIEN, JOHN J. V., US
[71] WALMART APOLLO, LLC, US
[85] 2018-05-02
[86] 2016-11-23 (PCT/US2016/063520)
[87] (WO2017/091685)
[30] US (62/260,086) 2015-11-25

---

[21] **3,004,180**
[13] A1
[51] **Int.Cl. G03G 15/08 (2006.01) G03G 21/16 (2006.01) H01R 13/629 (2006.01)**
[25] EN
[54] **REPLACEABLE UNIT FOR AN ELECTROPHOTOGRAPHIC IMAGE FORMING DEVICE HAVING A RETRACTABLE ELECTRICAL CONNECTOR**
[54] **UNITE REMPLACABLE POUR UN DISPOSITIF DE FORMATION D'IMAGES ELECTROPHOTOGRAPHIQUES DOTE D'UN CONNECTEUR ELECTRIQUE RETRACTABLE**
[72] CARPENTER, BRIAN SCOTT, US
[72] MARTIN, KYLE BRADLEY, US
[72] WILLIAMSON, RANDAL SCOTT, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2018-05-02
[86] 2016-11-30 (PCT/US2016/064063)
[87] (WO2017/105830)
[30] US (14/967,552) 2015-12-14

---

[21] **3,004,181**
[13] A1
[51] **Int.Cl. C08F 2/06 (2006.01) C08F 6/00 (2006.01) C08F 6/12 (2006.01) C08J 11/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR RECOVERING HYDROCARBONS IN A SOLUTION POLYMERISATION PROCESS**
[54] **PROCEDE DE RECUPERATION D'HYDROCARBURES DANS UN PROCESSUS DE POLYMERISATION EN SOLUTION**
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] ERIKSSON, ERIK, SE
[72] MATHIVANAN, GUHAN, AT
[72] SLEIJSTER, HENRY, NL
[72] VIJAY, SAMEER, AT
[72] WURNITSCH, CHRISTOF, AT
[72] ZITTING, SAMULI, FI
[71] BOREALIS AG, AT
[85] 2018-05-03
[86] 2016-12-21 (PCT/EP2016/082199)
[87] (WO2017/108963)
[30] EP (15201462.7) 2015-12-21
[30] EP (16179643.8) 2016-07-15

---

[21] **3,004,182**
[13] A1
[51] **Int.Cl. B65D 81/34 (2006.01) B65D 1/40 (2006.01) H05B 6/64 (2006.01)**
[25] EN
[54] **MICROWAVE PACKAGE**
[54] **EMBALLAGE POUR FOUR A MICRO-ONDES**
[72] RESURRECCION, FERMIN P. JR., US
[72] MARTINEZ, VLADIMIR C., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2018-04-17
[86] 2016-12-02 (PCT/US2016/064530)
[87] (WO2017/096108)
[30] US (62/262,534) 2015-12-03

---

[21] **3,004,183**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4365 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **SUBSTANCE THAT INHIBITS P2Y12 RECEPTOR, FOR USE IN THE PREVENTIVE TREATMENT OF SYSTEMIC SCLEROSIS IN PATIENTS WITH RAYNAUD'S PHENOMENON AND A DYSIMMUNITY**
[54] **SUBSTANCE QUI INHIBE LE RECEPTEUR P2Y12, DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT PREVENTIF DE LA SCLEROSE SYSTEMIQUE CHEZ DES PATIENTS SOUFFRANT DU PHENOMENE DE RAYNAUD ET D'UNE DYSIMMUNITE**
[72] TRUCHETET, MARIE-ELISE, FR
[72] CONTIN-BORDES, CECILE, FR
[72] BLANCO, PATRICK, FR
[72] SCHAEVERBEKE, THIERRY, FR
[72] BARNETCHE, THOMAS, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE BORDEAUX, FR
[85] 2018-05-03
[86] 2017-01-19 (PCT/EP2017/051100)
[87] (WO2017/125502)
[30] EP (16152005.1) 2016-01-20

[21] **3,004,184**
[13] A1
[51] **Int.Cl. F03D 7/04 (2006.01) F03D 17/00 (2016.01) F03D 80/10 (2016.01) F03D 80/40 (2016.01)**
[25] EN
[54] **METHOD FOR OUTPUTTING CONTROL INSTRUCTIONS OR EVENT MESSAGES FOR A WIND ENERGY INSTALLATION OR A WIND FARM, AND AN EVALUATION DEVICE AND A SYSTEM THEREFOR**
[54] **PROCEDE D'EMISSION D'INSTRUCTIONS DE COMMANDE OU DE NOTIFICATIONS D'EVENEMENT POUR UNE EOLIENNE OU UN PARC EOLIEN AINSI QUE DISPOSITIF D'EVALUATION ET SYSTEME ASSOCIES**
[72] DEMUTH, SIMON, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2018-05-03
[86] 2016-11-09 (PCT/EP2016/077035)
[87] (WO2017/089129)
[30] DE (10 2015 120 306.5) 2015-11-24

---

[21] **3,004,185**
[13] A1
[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/119 (2014.01) H04N 19/147 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **MULTI-REGION SEARCH RANGE FOR BLOCK PREDICTION MODE FOR DISPLAY STREAM COMPRESSION (DSC)**
[54] **PLAGE DE RECHERCHE MULTI-REGION POUR UN MODE DE PREDICTION DE BLOC POUR UNE COMPRESSION DE FLUX D'AFFICHAGE (DSC)**
[72] JACOBSON, NATAN HAIM, US
[72] THIRUMALAI, VIJAYARAGHAVAN, US
[72] JOSHI, RAJAN LAXMAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-02
[86] 2016-12-06 (PCT/US2016/065186)
[87] (WO2017/100206)
[30] US (62/264,087) 2015-12-07
[30] US (62/304,879) 2016-03-07
[30] US (15/369,723) 2016-12-05

---

[21] **3,004,186**
[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01)**
[25] EN
[54] **A TEMPERATURE-SWING ADSORPTION PROCESS**
[54] **PROCEDE D'ADSORPTION MODULEE EN TEMPERATURE**
[72] JOSS, LISA, GB
[72] GAZZANI, MATTEO, CH
[72] MAZZOTTI, MARCO, CH
[71] CASALE SA, CH
[85] 2018-05-03
[86] 2017-03-07 (PCT/EP2017/055285)
[87] (WO2017/153385)
[30] EP (16159248.0) 2016-03-08
[30] EP (16171370.6) 2016-05-25

---

[21] **3,004,187**
[13] A1
[51] **Int.Cl. H04W 24/10 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] HOU, YANZHAO, CN
[72] CUI, QIMEI, CN
[72] ZHANG, SHIYU, CN
[72] CAO, SHIWEI, CN
[72] LIANG, HUI, CN
[72] JIANG, QINYAN, CN
[72] GUO, XIN, CN
[72] SUN, CHEN, CN
[71] SONY CORPORATION, JP
[85] 2018-05-02
[86] 2016-10-31 (PCT/CN2016/103995)
[87] (WO2017/076251)
[30] CN (201510746905.8) 2015-11-05

---

[21] **3,004,188**
[13] A1
[51] **Int.Cl. C08J 9/00 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **PRODUCTION OF FINE-CELL FOAMS WITH USE OF A CELL-AGEING INHIBITOR**
[54] **FABRICATION DE MOUSSES A CELLULES FINES PAR L'UTILISATION D'UN BLOQUEUR DU VIEILLISSEMENT DES CELLULES**
[72] KLOSTERMANN, MICHAEL, DE
[72] SCHILLER, CARSTEN, DE
[72] VENZMER, JOACHIM, DE
[72] EILBRACHT, CHRISTIAN, DE
[71] EVONIK DEGUSSA GMBH, DE
[85] 2018-05-03
[86] 2016-11-21 (PCT/EP2016/078239)
[87] (WO2017/093058)
[30] EP (15197177.7) 2015-12-01

---

[21] **3,004,189**
[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) G06F 9/455 (2018.01)**
[25] EN
[54] **CHAINED SECURITY SYSTEMS**
[54] **SYSTEMES DE SECURITE CHAINES**
[72] CAMPAGNA, MATTHEW JOHN, US
[72] RUBIN, GREGORY ALAN, US
[72] BRANDWINE, ERIC JASON, US
[72] WILSON, MATTHEW SHAWN, US
[72] ILAC, CRISTIAN M, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2018-05-02
[86] 2016-12-07 (PCT/US2016/065351)
[87] (WO2017/100303)
[30] US (14/960,553) 2015-12-07

[21] **3,004,190**
[13] A1
[51] **Int.Cl. F03B 13/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR GENERATING ELECTRICITY USING WATER MOVEMENT**
[54] **APPAREIL DE GENERATION D'ELECTRICITE UTILISANT UN MOUVEMENT D'EAU**
[72] BAXLEY, WILLILAM EDWARD, US
[72] MULVEY, PATRICK JAMES, US
[72] HEAFITZ, BRUCE, US
[71] OCEAN CURRENT ENERGY LLC, GB
[85] 2018-05-03
[86] 2016-11-03 (PCT/GB2016/000195)
[87] (WO2017/077263)
[30] GB (1519534.0) 2015-11-04

---

[21] **3,004,191**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/445 (2006.01)**
[25] EN
[54] **TRANSDERMAL PATCHES**
[54] **TIMBRES TRANSDERMIQUES**
[72] WING SING TSANG, RICKY, GB
[72] BROWN, MARC BARRY, GB
[72] EVANS, CHARLES RODNEY GREENAWAY, GB
[71] BUZZZ PHARMACEUTICALS LIMITED, IE
[85] 2018-05-03
[86] 2016-11-22 (PCT/EP2016/078479)
[87] (WO2017/089361)
[30] GB (1520647.7) 2015-11-23

---

[21] **3,004,192**
[13] A1
[51] **Int.Cl. A61L 27/38 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 35/39 (2015.01) A61K 47/38 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **SI-HPMC-ENCAPSULATED INSULIN-PRODUCING CELLS FOR THE TREATMENT OF TYPE 1 DIABETES**
[54] **CELLULES PRODUISANT DE L'INSULINE ENCAPSULEES DANS DE L'HYDROXYPROPYL METHYLCELLULOSE SILANISEE HPMC SI POUR LE TRAITEMENT DU DIABETE DE TYPE 1**
[72] BACH, JEAN-MARIE, FR
[72] MOSSER, MATHILDE, FR
[72] SALAMA, APOLLINE, FR
[72] MOURE, ANNE, FR
[72] LEVEQUE, XAVIER, FR
[72] WEISS, PIERRE, FR
[72] GUICHEUX, JEROME, FR
[72] BOYER, CECILE, FR
[72] RIOCHET, DAVID, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] ECOLE NATIONALE VETERINAIRE, FR
[71] CHU NANTES, FR
[71] UNIVERSITE DE NANTES, FR
[85] 2018-05-03
[86] 2016-11-10 (PCT/EP2016/077193)
[87] (WO2017/081112)
[30] EP (15193861.0) 2015-11-10

---

[21] **3,004,193**
[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01) B01J 47/024 (2017.01) B01D 15/14 (2006.01) B01D 24/40 (2006.01) B01J 20/04 (2006.01) B01J 20/20 (2006.01) B01J 20/28 (2006.01) B01J 39/12 (2006.01) B01J 41/10 (2006.01)**
[25] EN
[54] **CARTRIDGE SYSTEMS USEFUL IN CLEANING DIALYSIS SOLUTIONS**
[54] **SYSTEMES DE CARTOUCHE UTILES POUR LE NETTOYAGE DE SOLUTIONS DE DIALYSE**
[72] SLADE, CHARLES J., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2018-05-02
[86] 2016-12-14 (PCT/US2016/066492)
[87] (WO2017/116700)
[30] US (14/983,942) 2015-12-30

---

[21] **3,004,194**
[13] A1
[51] **Int.Cl. A23N 1/02 (2006.01) A47J 19/02 (2006.01)**
[25] EN
[54] **A DEVICE FOR EXTRACTING JUICE FROM FRUIT AND/OR VEGETABLE ITEMS**
[54] **DISPOSITIF D'EXTRACTION DE JUS DE FRUITS ET/OU DE LEGUMES**
[72] VAN VELZEN, TOM, NL
[71] THOMPE B.V., NL
[85] 2018-05-03
[86] 2016-11-23 (PCT/EP2016/078502)
[87] (WO2017/089367)
[30] NL (2015851) 2015-11-25

---

[21] **3,004,195**
[13] A1
[51] **Int.Cl. C10L 1/222 (2006.01) B01F 17/00 (2006.01) C08L 95/00 (2006.01) C10L 1/32 (2006.01) G01N 33/18 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **OIL-IN-WATER EMULSIONS**
[54] **EMULSIONS D'HUILE DANS L'EAU**
[72] CRAIGE, SIMON, DK
[72] MILES, JASON VICTOR, GB
[72] SELSE, DENNIS, SE
[72] KRIGSMAN, JOAKIM, SE
[71] QUADRISE INTERNATIONAL LTD, GB
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2018-05-03
[86] 2016-11-03 (PCT/GB2016/053413)
[87] (WO2017/077302)
[30] GB (1519615.7) 2015-11-06
[30] GB (1609042.5) 2016-05-23

[21] **3,004,196**
[13] A1
[51] **Int.Cl. F02M 27/04 (2006.01) F02M 31/125 (2006.01) F02M 31/16 (2006.01) F02M 53/02 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR OXIDIZING ORGANIC FATS WITHIN AN INTERNAL COMBUSTION ENGINE**
[54] **PROCEDE ET APPAREIL POUR OXYDER DES GRAISSES ORGANIQUES A L'INTERIEUR D'UN MOTEUR A COMBUSTION INTERNE**
[72] PALMER, BRUCE, GB
[71] IONIZINGENERGY LIMITED, EC
[85] 2018-05-03
[86] 2016-10-27 (PCT/GB2016/053336)
[87] (WO2017/077272)
[30] GB (1519613.2) 2015-11-06
[30] GB (1605928.9) 2016-04-07

---

[21] **3,004,197**
[13] A1
[51] **Int.Cl. A61B 17/29 (2006.01) A61B 34/37 (2016.01)**
[25] EN
[54] **SURGICAL APPARATUS**
[54] **APPAREIL CHIRURGICAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
[72] PARK, YONG MAN, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2018-05-02
[86] 2017-02-03 (PCT/US2017/016485)
[87] (WO2017/136710)
[30] US (62/292,057) 2016-02-05
[30] US (62/424,273) 2016-11-18

---

[21] **3,004,198**
[13] A1
[51] **Int.Cl. C02F 1/461 (2006.01) C02F 1/463 (2006.01)**
[25] EN
[54] **WASTE WATER TREATMENT**
[54] **TRAITEMENT DES EAUX USEES**
[72] THOMAS, ROBERT CHARLES LLEWELYN, GB
[71] THOMAS, ROBERT CHARLES LLEWELYN, GB
[85] 2018-05-03
[86] 2016-11-03 (PCT/GB2016/053422)
[87] (WO2017/077311)
[30] GB (1515194.5) 2015-11-04

---

[21] **3,004,199**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **IMMUNOASSAY FOR THE DETERMINATION OF FC-REGION MODIFIED ANTIBODIES**
[54] **IMMUNO-ESSAI POUR LA DETERMINATION D'ANTICORPS MODIFIES DE LA REGION FC**
[72] STUBENRAUCH, KAY-GUNNAR, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-05-03
[86] 2016-11-29 (PCT/EP2016/079086)
[87] (WO2017/093226)
[30] EP (15197058.9) 2015-11-30

---

[21] **3,004,200**
[13] A1
[51] **Int.Cl. B01D 39/16 (2006.01) B01D 39/08 (2006.01) B01D 39/18 (2006.01)**
[25] EN
[54] **FILTER MATERIAL AND FILTER ELEMENT PRODUCED THEREFROM**
[54] **MATERIAU FILTRANT ET ELEMENT FILTRANT REALISE A PARTIR DE CELUI-CI**
[72] DEMMEL, ANDREAS, DE
[72] HARINGER, CHRISTOPH, DE
[72] HORL, WERNER, DE
[71] NEENAH GESSNER GMBH, DE
[85] 2018-05-03
[86] 2016-12-08 (PCT/EP2016/080304)
[87] (WO2017/108436)
[30] DE (10 2015 122 746.0) 2015-12-23

---

[21] **3,004,201**
[13] A1
[51] **Int.Cl. A61M 25/01 (2006.01) A61L 29/14 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **STEERABLE INTRA-LUMINAL MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL INTRALUMINAL ORIENTABLE**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] PALMRE, VILJAR, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2018-05-02
[86] 2017-02-03 (PCT/US2017/016513)
[87] (WO2017/136729)
[30] US (62/292,064) 2016-02-05

---

[21] **3,004,202**
[13] A1
[51] **Int.Cl. B23K 35/02 (2006.01) B23K 26/364 (2014.01) B23K 35/30 (2006.01) B23K 35/40 (2006.01) C23C 28/04 (2006.01)**
[25] EN
[54] **PREPARATION OF COMPOSITE RODS**
[54] **PREPARATION DE TIGES COMPOSITES**
[72] RUSSELL, MARK, GB
[71] CUTTING & WEAR RESISTANT DEVELOPMENTS LIMITED, GB
[85] 2018-05-03
[86] 2016-11-09 (PCT/GB2016/053502)
[87] (WO2017/081460)
[30] GB (1519765.0) 2015-11-09

---

[21] **3,004,203**
[13] A1
[51] **Int.Cl. A23G 3/32 (2006.01) A23L 5/42 (2016.01) A23L 35/00 (2016.01) A23L 2/58 (2006.01)**
[25] EN
[54] **CARAMEL DERIVED COLOR WITH INCREASED BRIGHTNESS**
[54] **COULEUR DERIVEE DU CARAMEL PRESENTANT UNE BRILLANCE AUGMENTEE**
[72] CHANFORAN, CELINE, FR
[72] MANE, CARINE, FR
[72] JOUENNE, ERIC, FR
[71] CHR. HANSEN NATURAL COLORS A/S, DK
[85] 2018-05-03
[86] 2016-11-10 (PCT/EP2016/077219)
[87] (WO2017/081129)
[30] EP (15193817.2) 2015-11-10
[30] EP (16190713.4) 2016-09-27

[21] **3,004,204**
[13] A1
[51] **Int.Cl. C10C 3/18 (2006.01) C10C 3/00 (2006.01)**
[25] EN
[54] **REACTOR AND METHOD FOR UPGRADING HEAVY HYDROCARBONS WITH SUPERCRITICAL FLUIDS**
[54] **REACTEUR ET PROCEDE DE VALORISATION D'HYDROCARBURES LOURDS AVEC DES LIQUIDES SUPERCRITIQUES**
[72] SNOW, RICHARD H., US
[72] MOHRBACHER, JESSE, US
[72] PRESLEY, GEOFFREY, US
[71] PYROPHASE, INC., US
[85] 2018-05-02
[86] 2017-02-23 (PCT/US2017/019210)
[87] (WO2017/147344)
[30] US (62/389,318) 2016-02-23
[30] US (15/438,384) 2017-02-21

---

[21] **3,004,206**
[13] A1
[51] **Int.Cl. G01B 5/20 (2006.01) G01B 5/24 (2006.01)**
[25] EN
[54] **TACTILE RUNOUT MEASUREMENT AND LENGTH MEASUREMENT**
[54] **MESURE DE PLANEITE ET MESURE DE LONGUEUR PAR VOIE TACTILE**
[72] RATTUNDE, ULRICH, DE
[71] RATTUNDE & CO GMBH, DE
[85] 2018-05-03
[86] 2016-11-14 (PCT/EP2016/077573)
[87] (WO2017/085013)
[30] DE (10 2015 120 177.1) 2015-11-20

---

[21] **3,004,207**
[13] A1
[51] **Int.Cl. E21B 43/40 (2006.01) C09K 8/584 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **FILTRATION AND REUSE OF SURFACTANT-CONTAINING PRODUCED WATER FOR OIL RECOVERY**
[54] **FILTRATION ET REUTILISATION D'EAU PRODUITE CONTENANT DES TENSIOACTIFS POUR LA RECUPERATION DE PETROLE**
[72] JOYDEEP, MUKHERJEE, US
[72] SUPRIYO, DAS, ES
[72] WANGLIN, YU, US
[72] ACEVEDO VELEZ, CLARIBEL, US
[72] ROZOWSKI, PETER M., US
[72] FALCONE-POTTS, SUSAN K., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2018-05-03
[86] 2015-11-06 (PCT/IB2015/002232)
[87] (WO2017/077355)

---

[21] **3,004,208**
[13] A1
[51] **Int.Cl. B65G 43/10 (2006.01) B65G 1/04 (2006.01) B65G 1/06 (2006.01) B65G 47/57 (2006.01)**
[25] EN
[54] **A STORAGE SYSTEM FOR STORING AND TRANSPORTING BINS**
[54] **SYSTEME DE STOCKAGE POUR STOCKER ET TRANSPORTER DES CASIERS**
[72] HOGNALAND, INGVAR, NO
[72] FJELDHEIM, IVAR, NO
[72] AUSTRHEIM, TROND, NO
[72] GJERDEVIK, OYSTEIN, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2018-05-03
[86] 2016-11-15 (PCT/EP2016/077691)
[87] (WO2017/121515)
[30] NO (20160070) 2016-01-14

---

[21] **3,004,209**
[13] A1
[51] **Int.Cl. A23L 29/231 (2016.01)**
[25] EN
[54] **ALCOHOLIC FOAM**
[54] **MOUSSE ALCOOLISEE**
[72] PERRIER, CEDRIC, CH
[72] MARMET, OLIVIER, FR
[72] LASSIS-LAVY, GUILLAUME, FR
[71] IBEX SARL, FR
[71] DURDEN CONCEPT SARL, CH
[85] 2018-05-03
[86] 2015-11-20 (PCT/IB2015/059005)
[87] (WO2017/085533)

---

[21] **3,004,210**
[13] A1
[51] **Int.Cl. H04M 3/523 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR HYBRID BEHAVIORAL PAIRING IN A CONTACT CENTER SYSTEM**
[54] **PROCEDES D'APPARIEMENT COMPORTEMENTAL HYBRIDE DANS UN SYSTEME DE CENTRE DE CONTACT**
[72] CHISHTI, ZIA, US
[72] KHATRI, VIKASH, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2018-05-03
[86] 2016-11-22 (PCT/IB2016/001762)
[87] (WO2017/093798)
[30] US (14/956,086) 2015-12-01

---

[21] **3,004,211**
[13] A1
[51] **Int.Cl. H04M 3/523 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR HYBRID BEHAVIORAL PAIRING IN A CONTACT CENTER SYSTEM**
[54] **PROCEDES D'APPARIEMENT COMPORTEMENTAL HYBRIDE DANS UN SYSTEME DE CENTRE DE CONTACT**
[72] CHISHTI, ZIA, US
[72] KHATRI, VIKASH, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2018-05-03
[86] 2016-11-22 (PCT/IB2016/001776)
[87] (WO2017/093799)
[30] US (14/956,074) 2015-12-01

[21] **3,004,212**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **TECHNIQUES FOR CASE ALLOCATION**
[54] **TECHNIQUES D'ATTRIBUTION DE CAS**
[72] KAN, ITTAI, US
[72] DELELLIS, DAVID J., US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2018-05-03
[86] 2016-11-30 (PCT/IB2016/001871)
[87] (WO2017/093808)
[30] US (62/261,780) 2015-12-01

---

[21] **3,004,213**
[13] A1
[51] **Int.Cl. A61B 3/00 (2006.01) A61B 90/20 (2016.01) A61F 9/007 (2006.01) G02B 21/00 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR PARAMETER ADJUSTMENT IN SURGICAL PROCEDURES**
[54] **APPAREILS ET PROCEDES DE REGLAGE DE PARAMETRES DANS DES INTERVENTIONS CHIRURGICALES**
[72] PAPAC, MICHAEL JAMES, US
[71] NOVARTIS AG, CH
[85] 2018-05-03
[86] 2016-08-25 (PCT/IB2016/055086)
[87] (WO2017/122061)
[30] US (14/994,807) 2016-01-13

---

[21] **3,004,214**
[13] A1
[51] **Int.Cl. G01R 33/44 (2006.01)**
[25] EN
[54] **ELECTROMAGNET CURRENT CONSTRAINTS**
[54] **LIMITATIONS DE COURANT PAR ELECTRO-AIMANT**
[72] BINDSEIL, GERON ANDRE, CA
[72] HANDLER, WILLIAM BRADFIELD, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-05-03
[86] 2015-11-06 (PCT/IB2015/058595)
[87] (WO2017/077368)

---

[21] **3,004,226**
[13] A1
[51] **Int.Cl. B01J 23/89 (2006.01) B01J 23/40 (2006.01) B01J 23/652 (2006.01) B01J 23/656 (2006.01) B01J 37/02 (2006.01) F01N 3/20 (2006.01)**
[25] EN
[54] **DIESEL OXIDATION CATALYST COMBINING PLATINUM GROUP METAL WITH BASE METAL OXIDE**
[54] **CATALYSEUR D'OXYDATION DE DIESEL COMBINANT UN METAL DU GROUPE DU PLATINE AVEC UN OXYDE METALLIQUE BASIQUE**
[72] ILINICH, OLEG, US
[72] ROTH, STANLEY, US
[71] BASF CORPORATION, US
[85] 2018-05-03
[86] 2016-11-03 (PCT/IB2016/056620)
[87] (WO2017/077479)
[30] US (62/251,875) 2015-11-06

---

[21] **3,004,228**
[13] A1
[51] **Int.Cl. C12P 7/10 (2006.01) C12N 9/34 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **LIMITING YEAST-PRODUCED TREHALOSE IN FERMENTATION**
[54] **LIMITATION DU TREHALOSE PRODUIT PAR DES LEVURES EN FERMENTATION**
[72] RICE, CHARLES F., US
[72] SKINNER, RYAN, US
[72] BARRETT, TRISHA, US
[72] ARGYROS, AARON, US
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[85] 2018-05-03
[86] 2016-11-04 (PCT/IB2016/056658)
[87] (WO2017/077504)
[30] US (62/251,885) 2015-11-06

---

[21] **3,004,232**
[13] A1
[51] **Int.Cl. A61B 3/13 (2006.01) A61B 3/10 (2006.01) G02B 21/00 (2006.01) A61B 3/18 (2006.01)**
[25] EN
[54] **LOCATION INDICATOR FOR OPTICAL COHERENCE TOMOGRAPHY IN OPHTHALMIC VISUALIZATION**
[54] **INDICATEUR D'EMPLACEMENT POUR TOMOGRAPHIE PAR COHERENCE OPTIQUE EN VISUALISATION OPHTALMIQUE**
[72] REN, HUGANG, US
[72] YU, LINGFENG, US
[71] NOVARTIS AG, CH
[85] 2018-05-03
[86] 2016-11-22 (PCT/IB2016/057050)
[87] (WO2017/093851)
[30] US (14/957,306) 2015-12-02

---

[21] **3,004,237**
[13] A1
[51] **Int.Cl. A61H 99/00 (2006.01) A61B 50/31 (2016.01) A61F 5/00 (2006.01) A61J 17/00 (2006.01)**
[25] EN
[54] **ORAL DEVICE, ASSEMBLY AND METHOD FOR USE THEREOF**
[54] **DISPOSITIF BUCCAL, ENSEMBLE ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] SIEFFERT, MARCUS, CA
[72] SCARROTT, PETER, CA
[72] RIFANI, ANDREAS, CA
[71] TRUDELL MEDICAL INTERNATIONAL, CA
[85] 2018-05-03
[86] 2016-12-06 (PCT/IB2016/057378)
[87] (WO2017/098404)
[30] US (62/265,088) 2015-12-09

[21] **3,004,240**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) H04M 3/523 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM**
[54] **TECHNIQUES D'EVALUATION COMPARATIVE DE STRATEGIES D'APPARIEMENT DANS UN SYSTEME DE CENTRE DE CONTACT**
[72] CHISHTI, ZIA, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2018-05-03
[86] 2017-04-18 (PCT/IB2017/000570)
[87] (WO2017/182879)
[30] US (15/131,915) 2016-04-18
[30] US (15/221,698) 2016-07-28

---

[21] **3,004,241**
[13] A1
[51] **Int.Cl. H04N 13/00 (2018.01) H04N 19/597 (2014.01)**
[25] EN
[54] **ENCODING APPARATUS AND ENCODING METHOD, DECODING APPARATUS AND DECODING METHOD**
[54] **DISPOSITIF D'ENCODAGE ET PROCEDE D'ENCODAGE, ET DISPOSITIF DE DECODAGE ET PROCEDE DE DECODAGE**
[72] TANAKA, JUNICHI, JP
[71] SONY CORPORATION, JP
[85] 2018-05-03
[86] 2016-10-28 (PCT/JP2016/082024)
[87] (WO2017/082076)
[30] JP (2015-221233) 2015-11-11

---

[21] **3,004,243**
[13] A1
[51] **Int.Cl. E04F 15/10 (2006.01)**
[25] EN
[54] **DENSIFIED FOAM CORE (DFC) TILE WITH IMITATION GROUT LINE**
[54] **CARREAU DE NOYAU EN MOUSSE DENSIFIEE (DFC) AVEC LIGNE D'ENDUIT DE JOINTEMENT D'IMITATION**
[72] ALFIERI, MICHELE, CA
[72] COUREY, STEPHEN, CA
[71] QUICKSTYLE INDUSTRIES INC., CA
[85] 2018-05-03
[86] 2017-07-17 (PCT/IB2017/000852)
[87] (WO2018/037270)
[30] US (62/380,122) 2016-08-26
[30] US (15/454,650) 2017-03-09

---

[21] **3,004,244**
[13] A1
[51] **Int.Cl. C10L 1/02 (2006.01) C08H 7/00 (2011.01) C07G 1/00 (2011.01) C10G 1/00 (2006.01) C12P 7/64 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR PRODUCING A HYDROCARBON PRODUCT FROM LIGNIN OIL**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT HYDROCARBONE A PARTIR D'HUILE DE LIGNINE**
[72] KUGGE, CHRISTIAN, SE
[72] HULTGREN, ANDERS, SE
[72] DANNENBAUER, KAI, DE
[72] LIEBOLD, CLAUDIA, DE
[72] HUBER, FLORIAN, DE
[71] SCA FOREST PRODUCTS AB, SE
[85] 2018-05-03
[86] 2015-11-04 (PCT/SE2015/051164)
[87] (WO2017/078582)

---

[21] **3,004,245**
[13] A1
[51] **Int.Cl. A23B 4/06 (2006.01) A23L 3/36 (2006.01) F25C 1/00 (2006.01) F25D 3/02 (2006.01)**
[25] EN
[54] **ICE, REFRIGERANT, ICE PRODUCTION METHOD, METHOD FOR PRODUCING COOLED ARTICLE, METHOD FOR PRODUCING REFRIGERATED ARTICLE OF PLANT/ANIMAL OR PORTION THEREOF, REFRIGERATING MATERIAL FOR PLANT/ANIMAL OR PORTION THEREOF, METHOD FOR PRODUCING FROZEN FRESH PLANT/ANIMAL OR PORTION THEREOF, DEFROSTED ARTICLE OR PROCESSED ARTICLE THEREOF, AND FREEZING MATERIAL FOR ...**
[54] **GLACE, REFRIGERANT, PROCEDE DE PRODUCTION DE GLACE, PROCEDE DE PRODUCTION D'ARTICLE REFROIDI, PROCEDE DE PRODUCTION D'ARTICLE REFRIGERE DE PLANTE/ANIMAL OU PARTIE DE CE DERNIER, MATERIAU DE REFRIGERATION POUR PLANTE/ANIMAL OU PARTIE DE CE DERNIER, PROCEDE DE PRODUCTION DE PLANTE/ANIMAL FRAIS CONGELE OU PARTIE DE CE DERNIER, ARTICLE DECONGELE OU ARTICLE ....**
[72] HIROKANE, YOSHIO, JP
[72] AKIYAMA, TOMOAKI, JP
[72] IZUTSU, TADAO, JP
[71] BLANCTEC CO., LTD., JP
[85] 2018-05-03
[86] 2016-11-18 (PCT/JP2016/084319)
[87] (WO2017/086461)
[30] JP (2015-226589) 2015-11-19
[30] JP (2016-041189) 2016-03-03
[30] JP (2016-103012) 2016-05-24
[30] JP (2016-103013) 2016-05-24
[30] JP (2016-103014) 2016-05-24
[30] JP (2016-103637) 2016-05-24
[30] JP (2016-103638) 2016-05-24
[30] JP (2016-103639) 2016-05-24
[30] JP (2016-103640) 2016-05-24
[30] JP (2016-132615) 2016-07-04

[21] **3,004,247**
[13] A1
[51] **Int.Cl. D21C 11/00 (2006.01) C13B 10/00 (2011.01) C07C 29/132 (2006.01) C12P 7/18 (2006.01) D21C 1/04 (2006.01) D21C 3/04 (2006.01) D21C 3/26 (2006.01) C12P 7/04 (2006.01) C12P 7/40 (2006.01) C12P 19/02 (2006.01)**
[25] EN
[54] **PROCESS TO PRODUCE A BIO-PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT BIOLOGIQUE**
[72] FERRANDO, PATRIZIA, IT
[72] BERNARDI, MARCO, IT
[72] GIORDANO, DARIO, IT
[72] LAMMI, LARI, FI
[72] NORDGREN, MATS, SE
[71] VALMET AKTIEBOLAG, SE
[85] 2018-05-03
[86] 2016-12-01 (PCT/SE2016/051195)
[87] (WO2017/095313)
[30] EP (15425105.2) 2015-12-03

---

[21] **3,004,251**
[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01)**
[25] EN
[54] **CELL CULTURE METHOD USING LAMININ FRAGMENT-CONTAINING MEDIUM**
[54] **PROCEDE DE CULTURE CELLULAIRE UTILISANT UN MILIEU CONTENANT UN FRAGMENT DE LAMININE**
[72] SUEMORI, HIROFUMI, JP
[72] MIYAZAKI, TAKAMICHI, JP
[71] KYOTO UNIVERSITY, JP
[85] 2018-05-03
[86] 2016-11-08 (PCT/JP2016/083014)
[87] (WO2017/082220)
[30] JP (2015-219996) 2015-11-10

---

[21] **3,004,252**
[13] A1
[51] **Int.Cl. A23B 4/06 (2006.01) A23L 3/36 (2006.01) F25C 1/00 (2006.01) F25D 3/02 (2006.01)**
[25] EN
[54] **ICE MAKING DEVICE, MOVING BODY, FLAKE ICE PRODUCTION DEVICE, AND FLAKE ICE PRODUCTION METHOD**
[54] **DISPOSITIF DE FABRICATION DE GLACE, CORPS MOBILE, DISPOSITIF DE PRODUCTION DE GLACE EN FLOCONS ET PROCEDE DE PRODUCTION DE GLACE EN FLOCONS**
[72] HIROKANE, YOSHIO, JP
[72] AKIYAMA, TOMOAKI, JP
[72] IZUTSU, TADAO, JP
[71] BLANCTEC CO., LTD., JP
[85] 2018-05-03
[86] 2016-11-18 (PCT/JP2016/084320)
[87] (WO2017/086462)
[30] JP (2015-226589) 2015-11-19
[30] JP (2016-041189) 2016-03-03
[30] JP (2016-103012) 2016-05-24
[30] JP (2016-103013) 2016-05-24
[30] JP (2016-103014) 2016-05-24
[30] JP (2016-103637) 2016-05-24
[30] JP (2016-103638) 2016-05-24
[30] JP (2016-103639) 2016-05-24
[30] JP (2016-103640) 2016-05-24
[30] JP (2016-132615) 2016-07-04

---

[21] **3,004,253**
[13] A1
[51] **Int.Cl. B05B 3/00 (2006.01)**
[25] EN
[54] **PIVOT IRRIGATION SYSTEM AND COMPONENTS**
[54] **SYSTEME D'IRRIGATION A PIVOT ET COMPOSANTS**
[72] HANSEN, BRIAN G., US
[71] 7A9, LLC, US
[85] 2018-05-03
[86] 2015-11-03 (PCT/US2015/058811)
[87] (WO2016/073466)
[30] US (14/532,555) 2014-11-04

---

[21] **3,004,254**
[13] A1
[51] **Int.Cl. B28B 17/00 (2006.01) B28B 19/00 (2006.01) G01B 11/06 (2006.01) G01B 21/32 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANUFACTURING CEMENTITIOUS BOARDS WITH ON-LINE BOARD MEASUREMENT**
[54] **SYSTEME ET PROCEDE POUR LA FABRICATION DE PANNEAUX CIMENTAIRES PRESENTANT UNE MESURE EN LIGNE DES PANNEAUX**
[72] NELSON, ROBERT, US
[72] PAULY, CHRISTOPHER MARK, US
[72] WHITTINGTON, CHARLES, US
[72] ROWE, ANDREW, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2018-05-03
[86] 2016-10-24 (PCT/US2016/058387)
[87] (WO2017/078952)
[30] US (62/251,396) 2015-11-05
[30] US (15/271,989) 2016-09-21

---

[21] **3,004,255**
[13] A1
[51] **Int.Cl. E21B 43/17 (2006.01) E21B 43/20 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **METHOD FOR CREATING MULTI-DIRECTIONAL BERNOULLI-INDUCED FRACTURES WITHIN VERTICAL MINI-HOLES IN DEVIATED WELLBORES**
[54] **PROCEDE PERMETTANT DE CREER DES FRACTURES MULTIDIRECTIONNELLES INDUITES PAR BERNOULLI DANS DE MINUSCULES TROUS VERTICAUX DANS DES PUITS DE FORAGE DEVIES**
[72] SURJAATMADJA, JIM BASUKI, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-03
[86] 2016-02-16 (PCT/US2016/018075)
[87] (WO2017/142514)

[21] **3,004,256**
[13] A1
[51] **Int.Cl. G03G 13/08 (2006.01) G03G 13/16 (2006.01) G03G 15/08 (2006.01) G03G 15/16 (2006.01)**
[25] EN
[54] **REPLACEABLE UNIT FOR AN IMAGE FORMING DEVICE HAVING MAGNETS OF VARYING ANGULAR OFFSET FOR TONER LEVEL SENSING**
[54] **UNITE REMPLACABLE DESTINEE A UN DISPOSITIF DE FORMATION D'IMAGE ET DOTEE D'AIMANTS AYANT UN DECALAGE ANGULAIRE VARIABLE POUR LA DETECTION DU NIVEAU DE TONER**
[72] CARPENTER, BRIAN SCOTT, US
[72] MCALPINE, ROBERT WATSON, US
[72] LEEMHUIS, MICHAEL CRAIG, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2018-05-03
[86] 2015-12-01 (PCT/US2015/063137)
[87] (WO2017/095392)
[30] US (14/953,714) 2015-11-30

---

[21] **3,004,257**
[13] A1
[51] **Int.Cl. H01M 8/02 (2016.01) B29C 65/48 (2006.01) B32B 37/10 (2006.01) H01M 4/88 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **METHOD AND DEVICE FOR MANUFACTURING ASSEMBLY THAT INCLUDES POLYMER ELECTROLYTE MEMBRANE**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN ENSEMBLE COMPRENANT UNE MEMBRANE ELECTROLYTIQUE POLYMERE**
[72] ADACHI, SHINYA, JP
[72] FUJIEDA, YUKA, JP
[72] IZUHARA, DAISUKE, JP
[72] SHINTAKU, YUTA, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-05-03
[86] 2016-11-15 (PCT/JP2016/083794)
[87] (WO2017/086304)
[30] JP (2015-226275) 2015-11-19

---

[21] **3,004,259**
[13] A1
[51] **Int.Cl. G06Q 50/22 (2018.01) G06F 19/26 (2011.01) G06F 19/28 (2011.01)**
[25] EN
[54] **MEDICAL PROTOCOL EVALUATION**
[54] **EVALUATION DE PROTOCOLE MEDICAL**
[72] STANKIEWICZ, BRIAN J., US
[72] SCHUMACHER, JENNIFER F., US
[72] BROOKS, BRIAN E., US
[72] ASENDORF, NICHOLAS A., US
[72] PETERSON, KELLY S., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-05-03
[86] 2016-10-27 (PCT/US2016/058980)
[87] (WO2017/079012)
[30] US (62/251,963) 2015-11-06

---

[21] **3,004,260**
[13] A1
[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/06 (2012.01) E21B 47/12 (2012.01)**
[25] EN
[54] **MULTILATERAL WELL SENSING SYSTEM**
[54] **SYSTEME DE DETECTION DE PUITS MULTILATERALE**
[72] JAASKELAINEN, MIKKO, US
[72] PARK, BRIAN VANDELLYN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-03
[86] 2015-12-16 (PCT/US2015/065984)
[87] (WO2017/105428)

---

[21] **3,004,262**
[13] A1
[51] **Int.Cl. G05D 1/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS VISUAL NAVIGATION**
[54] **NAVIGATION VISUELLE AUTONOME**
[72] WIERZYNSKI, CASIMIR MATTHEW, US
[72] BEHABADI, BARDIA FALLAH, US
[72] GIBSON, SARAH PAIGE, US
[72] AGHAMOHAMMADI, ALIAKBAR, US
[72] AGARWAL, SAURAV, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-03
[86] 2016-10-27 (PCT/US2016/059171)
[87] (WO2017/105643)
[30] US (62/267,886) 2015-12-15
[30] US (15/249,250) 2016-08-26

---

[21] **3,004,264**
[13] A1
[51] **Int.Cl. B29C 47/06 (2006.01) B29C 47/00 (2006.01) B29C 47/34 (2006.01) B29C 47/88 (2006.01)**
[25] EN
[54] **POLYMERIC FILMS AND METHODS FOR MAKING POLYMERIC FILMS**
[54] **FILMS POLYMERES ET PROCEDES DE FABRICATION DE FILMS POLYMERES**
[72] MIDDLESWORTH, JEFFREY A., US
[72] KITZMILLER, BROOKE D., US
[72] ZAIKOV, VADIM G., US
[71] BERRY GLOBAL, INC., US
[85] 2018-05-03
[86] 2016-11-02 (PCT/US2016/060006)
[87] (WO2017/079209)
[30] US (62/251,415) 2015-11-05

---

[21] **3,004,265**
[13] A1
[51] **Int.Cl. B26B 5/00 (2006.01) B25G 3/18 (2006.01) B26B 29/02 (2006.01)**
[25] EN
[54] **BLADE CARTRIDGES AND LOCKABLE SAFETY COVERS**
[54] **CARTOUCHES DE LAMES ET COUVERCLES DE SECURITE POUVANT ETRE VERROUILLES**
[72] VOTOLATO, EARL J., US
[72] SHARBAUGH, DAVID ANDREW, US
[72] HOWA, FRANK MATTHEW, US
[72] BURKES, RYAN, US
[71] SPELLBOUND DEVELOPMENT GROUP, INC., US
[85] 2018-05-03
[86] 2016-10-27 (PCT/US2016/059173)
[87] (WO2017/079035)
[30] US (14/931,093) 2015-11-03
[30] US (15/144,285) 2016-05-02

[21] **3,004,267**
[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **IDENTIFICATION OF LOW-EFFICACY PATIENT POPULATION**
[54] **IDENTIFICATION DE POPULATION DE PATIENTS DE FAIBLE EFFICACITE**
[72] STANKIEWICZ, BRIAN J., US
[72] SCHUMACHER, JENNIFER F., US
[72] BROOKS, BRIAN E., US
[72] ASENDORF, NICHOLAS A., US
[72] PETERSON, KELLY S., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-05-03
[86] 2016-10-28 (PCT/US2016/059315)
[87] (WO2017/079047)
[30] US (62/252,005) 2015-11-06

---

[21] **3,004,268**
[13] A1
[51] **Int.Cl. B21C 1/00 (2006.01) B21C 1/22 (2006.01) B21C 1/24 (2006.01) B21C 3/00 (2006.01) B21C 3/16 (2006.01) B21C 37/15 (2006.01) B21C 37/20 (2006.01)**
[25] EN
[54] **FLOATING DRAW PLUG AND METHOD OF DRAWING TUBE**
[54] **MANDRIN D'ETIRAGE FLOTTANT ET PROCEDE D'ETIRAGE DE TUBE**
[72] NORRIS, AARON, US
[72] DAILEY, JAMES, US
[72] MARTIN, JAMES, US
[72] SNYDER, MATT, US
[72] WOUGAMON, JAKE, US
[71] PENN ALUMINUM INTERNATIONAL LLC, US
[85] 2018-05-03
[86] 2016-11-02 (PCT/US2016/060031)
[87] (WO2017/079230)
[30] US (14/934,897) 2015-11-06

---

[21] **3,004,269**
[13] A1
[51] **Int.Cl. C10M 137/08 (2006.01)**
[25] EN
[54] **LUBRICANT WITH HIGH PYROPHOSPHATE LEVEL**
[54] **LUBRIFIANT A HAUT TAUX DE PYROPHOSPHATE**
[72] KASSIR, JAMAL., US
[72] BARTON, WILLIAM R. S., GB
[72] ADAMS, PAUL E., US
[72] BLANASZ, LISA, DE
[71] THE LUBRIZOL CORPORATION, US
[85] 2018-05-03
[86] 2016-10-27 (PCT/US2016/059000)
[87] (WO2017/079016)
[30] US (62/251,897) 2015-11-06

---

[21] **3,004,271**
[13] A1
[51] **Int.Cl. H04N 9/47 (2006.01)**
[25] EN
[54] **DYNAMIC DISPLAY CALIBRATION BASED ON EYE-TRACKING**
[54] **ETALONNAGE D'AFFICHAGE DYNAMIQUE BASE SUR UN SUIVI OCULAIRE**
[72] YEOH, IVAN L., US
[72] EDWIN, LIONEL E., US
[72] MILLER, SAMUEL A., US
[71] MAGIC LEAP, INC., US
[85] 2018-05-03
[86] 2016-11-02 (PCT/US2016/060158)
[87] (WO2017/079329)
[30] US (62/250,925) 2015-11-04
[30] US (62/250,934) 2015-11-04
[30] US (62/278,779) 2016-01-14
[30] US (62/278,824) 2016-01-14
[30] US (62/278,794) 2016-01-14

---

[21] **3,004,272**
[13] A1
[51] **Int.Cl. A61L 15/24 (2006.01)**
[25] EN
[54] **COMPACTED HEMOSTATIC CELLULOSIC AGGREGATES**
[54] **AGREGATS CELLULOSIQUES HEMOSTATIQUES COMPACTES**
[72] WANG, YI-LAN, US
[71] ETHICON, INC., US
[85] 2018-05-03
[86] 2016-10-28 (PCT/US2016/059429)
[87] (WO2017/079059)
[30] US (62/251,773) 2015-11-06
[30] US (62/371,954) 2016-08-08
[30] US (62/408,176) 2016-10-14

---

[21] **3,004,274**
[13] A1
[51] **Int.Cl. H02G 11/02 (2006.01) H02G 11/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **MECHANISM FOR CHARGING AN ELECTRONIC DEVICE WITH A RETRACTABLE CORD REEL**
[54] **MECANISME POUR CHARGER UN DISPOSITIF ELECTRONIQUE AVEC UN ENROULEUR DE CABLE RETRACTABLE**
[72] HINOJOSA, CHRISTOPHER, US
[72] MELLINGER, DAVID, US
[72] ALFORD, JOHN, US
[72] SCHWARTZ, MARK, US
[71] KONNECTRONIX, INC., US
[85] 2018-05-03
[86] 2016-02-26 (PCT/US2016/019703)
[87] (WO2017/078769)
[30] US (14/933,950) 2015-11-05

---

[21] **3,004,275**
[13] A1
[51] **Int.Cl. A61K 31/575 (2006.01) C07J 9/00 (2006.01) C07J 31/00 (2006.01)**
[25] EN
[54] **METHODS FOR THE PREPARATION OF OBETICHOLIC ACID AND DERIVATIVES THEREOF**
[54] **PROCEDE DE PREPARATION D'ACIDE OBETICHOLIQUE ET DE DERIVES DE CELUI-CI**
[72] GALVIN, GABRIAL M., US
[71] INTERCEPT PHARMACEUTICALS, INC., US
[85] 2018-05-03
[86] 2016-10-28 (PCT/US2016/059440)
[87] (WO2017/079062)
[30] US (62/252,077) 2015-11-06

[21] **3,004,278**
[13] A1
[51] **Int.Cl. G01N 21/27 (2006.01)**
[25] EN
[54] **LIGHT FIELD DISPLAY METROLOGY**
[54] **METROLOGIE D'AFFICHAGE A CHAMP LUMINEUX**
[72] MILLER, SAMUEL A., US
[72] EDWIN, LIONEL E., US
[72] YEOH, IVAN L., US
[71] MAGIC LEAP, INC., US
[85] 2018-05-03
[86] 2016-11-02 (PCT/US2016/060162)
[87] (WO2017/079333)
[30] US (62/250,925) 2015-11-04
[30] US (62/250,934) 2015-11-04
[30] US (62/278,794) 2016-01-14
[30] US (62/278,824) 2016-01-14
[30] US (62/278,779) 2016-01-14

---

[21] **3,004,279**
[13] A1
[51] **Int.Cl. H01H 83/04 (2006.01) H01H 83/00 (2006.01) H01H 83/02 (2006.01)**
[25] EN
[54] **GROUND FAULT CIRCUIT INTERRUPTER USING FREQUENCY RECOGNITION AND MEASUREMENT**
[54] **DISJONCTEUR DIFFERENTIEL DE FUITE DE TERRE UTILISANT UNE RECONNAISSANCE ET UNE MESURE DE FREQUENCE**
[72] BATKO, THOMAS JAMES, US
[72] MEADY, JOSEPH MICHAEL, US
[71] HUBBELL INCORPORATED, US
[85] 2018-05-03
[86] 2016-11-01 (PCT/US2016/059867)
[87] (WO2017/079134)
[30] US (62/250,273) 2015-11-03

---

[21] **3,004,281**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FLEXIBLY USING TRENDING TOPICS AS PARAMETERS FOR RECOMMENDING MEDIA ASSETS THAT ARE RELATED TO A VIEWED MEDIA ASSET**
[54] **SYSTEMES ET PROCEDES D'UTILISATION DE MANIERE FLEXIBLE DE SUJETS TENDANCE EN TANT QUE PARAMETRES POUR RECOMMANDER DES CONTENUS MULTIMEDIAS ASSOCIES A UN CONTENU MULTIMEDIA VISUALISE**
[72] VENKATARAMAN, SASHIKUMAR, US
[72] AGARWAL, VINEET, US
[71] ROVI GUIDES, INC., US
[85] 2018-05-03
[86] 2016-10-31 (PCT/US2016/059659)
[87] (WO2018/080532)

---

[21] **3,004,282**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 50/10 (2012.01) G06F 11/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING AND EXPLAINING ERRORS IN THE PREPARATION OF A PAYROLL TAX FORM USING ERROR GRAPHS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'IDENTIFIER ET D'EXPLIQUER DES ERREURS DANS LA PREPARATION D'UNE DECLARATION FISCALE AU MOYEN DE GRAPHES D'ERREURS**
[72] LUBCZYNSKI, PETER E., US
[72] WANG, GANG, US
[72] PARKS, PAUL A., US
[72] MCCLUSKEY, KEVIN M., US
[72] MONTOYA, ERNEST, US
[72] HANEKAMP, DAVID A., JR., US
[72] RYAN, KYLE J., US
[71] INTUIT INC., US
[85] 2018-05-03
[86] 2016-06-28 (PCT/US2016/039913)
[87] (WO2017/116496)
[30] US (14/981,610) 2015-12-28

---

[21] **3,004,283**
[13] A1
[51] **Int.Cl. G01C 23/00 (2006.01)**
[25] EN
[54] **TARGETED LOCATION PRODUCT DELIVERY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE LIVRAISON DE PRODUIT A UN EMPLACEMENT CIBLE**
[72] HIGH, DONALD R., US
[72] JONES, NATHAN G., US
[72] NATARAJAN, CHANDRASHEKAR, US
[72] THOMPSON, JOHN P., US
[72] HICKS, GREGORY A., US
[71] WALMART APOLLO, LLC, US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060277)
[87] (WO2017/079404)
[30] US (62/252,235) 2015-11-06

---

[21] **3,004,284**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR FACILITATING USER INTERACTION WITH TAX RETURN PREPARATION PROGRAMS**
[54] **PROCEDES, SYSTEMES ET PRODUITS-PROGRAMMES INFORMATIQUES POUR FACILITER L'INTERACTION DE L'UTILISATEUR AVEC DES PROGRAMMES DE PREPARATION DE DECLARATION D'IMPOTS**
[72] HUBBARD, PAUL F., US
[72] KRUPICKA, TYLER THOMAS, US
[72] JEDDELOH, ANDREW SCOTT, US
[72] HUANG, NANKUN, US
[72] EFTEKHARI, AMIR R., US
[71] INTUIT INC., US
[85] 2018-05-03
[86] 2016-07-28 (PCT/US2016/044470)
[87] (WO2017/189030)
[30] US (15/143,551) 2016-04-30

[21] **3,004,285**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR VOLUMETRIC IMAGING OF A THREE-DIMENSIONAL NUCLEIC ACID CONTAINING MATRIX**
[54] **PROCEDE ET APPAREIL POUR IMAGERIE VOLUMETRIQUE D'UNE MATRICE TRIDIMENSIONNELLE CONTENANT DES ACIDES NUCLEIQUES**
[72] DAUGHARTHY, EVAN R., US
[72] TERRY, RICHARD C., US
[72] LEE, JE-HYUK, US
[72] CHURCH, GEORGE M., US
[72] PRUITT, BENJAMIN W., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060279)
[87] (WO2017/079406)
[30] US (62/250,182) 2015-11-03

---

[21] **3,004,286**
[13] A1
[51] **Int.Cl. C21D 8/12 (2006.01) B23K 26/352 (2014.01) B23K 15/00 (2006.01) C22C 38/00 (2006.01) C22C 38/60 (2006.01) H01F 1/147 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING GRAIN-ORIENTED ELECTRICAL STEEL SHEET**
[54] **METHODE DE PRODUCTION DE TOLE ELECTRIQUE A GRAIN ORIENTE**
[72] TAKENAKA, MASANORI, JP
[72] HAYAKAWA, YASUYUKI, JP
[72] IMAMURA, TAKESHI, JP
[72] EHASHI, YUIKO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2018-05-03
[86] 2016-11-30 (PCT/JP2016/085616)
[87] (WO2017/094797)
[30] JP (2015-237995) 2015-12-04

---

[21] **3,004,288**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 1/22 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **METHOD FOR PROMOTING EFFICIENCY OF PURIFICATION OF FC REGION-CONTAINING POLYPEPTIDE**
[54] **PROCEDE POUR FAVORISER L'EFFICACITE DE PURIFICATION D'UN POLYPEPTIDE CONTENANT UNE REGION FC**
[72] TANAKA, NOBUYUKI, JP
[72] MOMOSE, RUMIKO, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2018-05-03
[86] 2016-12-27 (PCT/JP2016/088820)
[87] (WO2017/115773)
[30] JP (2015-255726) 2015-12-28

---

[21] **3,004,289**
[13] A1
[51] **Int.Cl. G08G 1/07 (2006.01) G08G 1/081 (2006.01)**
[25] EN
[54] **DYNAMICALLY CONFIGURABLE TRAFFIC CONTROLLERS AND METHODS OF USING THE SAME**
[54] **DISPOSITIFS DE REGULATION DE LA CIRCULATION DYNAMIQUEMENT CONFIGURABLES ET LEURS PROCEDES D'UTILISATION**
[72] PARUCH, LUCAS I., US
[72] WIEGEL, AARON J., US
[72] DONDLINGER, JASON, US
[72] SNYDER, RONALD P., US
[72] KORMAN, JOE, US
[72] SWIFT, DAVID, US
[72] WAUGAMAN, CHARLES, US
[72] OATES, JAMES, US
[72] NYGAARD, PETER D., US
[71] RITE-HITE HOLDING CORPORATION, US
[85] 2018-05-03
[86] 2016-09-07 (PCT/US2016/050565)
[87] (WO2017/078844)
[30] US (14/931,844) 2015-11-03

---

[21] **3,004,290**
[13] A1
[51] **Int.Cl. C01B 17/02 (2006.01) C01B 17/04 (2006.01) C01B 17/50 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING ELEMENTAL SULFUR IN GYPSUM PRODUCTS**
[54] **PROCEDE DE REDUCTION DU SOUFRE ELEMENTAIRE DANS DES PRODUITS A BASE DE PLATRE**
[72] COLLEGE, JOHN W., US
[72] LEE, SANG-HO, US
[72] HILTON, CHRIS, CA
[72] KIANG, YU-ZHI, CA
[72] LAI, CHOUNG-HOUNG, US
[72] GLAVIN, GEORGE, US
[72] ILYASHENKO, HELEN, US
[71] CERTAINTEED GYPSUM, INC., US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060283)
[87] (WO2017/079410)
[30] US (14/931,766) 2015-11-03

---

[21] **3,004,291**
[13] A1
[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/534 (2006.01)**
[25] EN
[54] **THIN AND FLEXIBLE ABSORBENT ARTICLES**
[54] **ARTICLES ABSORBANTS MINCES ET SOUPLES**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] MORROW, CLINT ADAM, US
[72] HUBBARD, WADE MONROE, JR., US
[72] DUVAL, DEAN LARRY, US
[72] KIRKBRIDE, TANA MARIE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060593)
[87] (WO2017/079606)
[30] US (62/251,006) 2015-11-04

[21] **3,004,292**
[13] A1
[51] **Int.Cl. C23C 22/34 (2006.01) C23C 22/83 (2006.01)**
[25] EN
[54] **PRETREATMENT COMPOSITIONS AND METHODS OF TREATING A SUBSTRATE**
[54] **COMPOSITIONS DE PRETRAITEMENT ET PROCEDES DE TRAITEMENT D'UN SUBSTRAT**
[72] KOLCUN, ADAM, US
[72] VARGAS, RICHARD M., US
[72] SYLVESTER, KEVIN T., US
[72] SILVERNAIL, NATHAN J., US
[72] MCINTYRE, JOHN F., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060304)
[87] (WO2017/079421)
[30] US (14/931,913) 2015-11-04

---

[21] **3,004,293**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 32/00 (2006.01) B01J 35/02 (2006.01) B01J 38/04 (2006.01) C07C 2/50 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR CONVERTING HYDROCARBONS TO CYCLOPENTADIENE**
[54] **PROCEDES ET SYSTEMES DE CONVERSION D'HYDROCARBURES EN CYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEMOINE, ROMAIN O.V., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056010)
[87] (WO2017/078892)
[30] US (62/250,680) 2015-11-04
[30] EP (16153716.2) 2016-02-02

---

[21] **3,004,294**
[13] A1
[51] **Int.Cl. B64C 17/02 (2006.01) A63H 27/133 (2006.01) A63H 27/24 (2006.01) B64C 25/04 (2006.01) B64C 27/08 (2006.01) B64C 39/02 (2006.01) B64D 9/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR STABILIZING AN UNMANNED AERIAL SYSTEM**
[54] **APPAREIL ET PROCEDE DE STABILISATION DE SYSTEME AERIEN SANS PILOTE**
[72] HIGH, DONALD R., US
[72] ATCHLEY, MICHAEL D., US
[72] THOMPSON, JOHN P., US
[72] NATARAJAN, CHANDRASHEKAR, US
[71] WALMART APOLLO, LLC, US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060286)
[87] (WO2017/079411)
[30] US (62/251,429) 2015-11-05

---

[21] **3,004,295**
[13] A1
[51] **Int.Cl. E21F 5/02 (2006.01) C09K 3/22 (2006.01) G01N 13/02 (2006.01)**
[25] EN
[54] **METHODS OF AND SYSTEMS FOR CONTROLLING DUST**
[54] **PROCEDES ET SYSTEMES DE REGULATION DE POUSSIERE**
[72] O'BRIEN, KEVIN, US
[72] ERGANG, NICHOLAS, US
[72] BHATTACHARJA, SANKAR, US
[72] CRANFILL III, JOHN, US
[72] LENDRUM, SHAUN, US
[72] BRINKMEIER, ANDREW, US
[71] ECOLAB USA INC., US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060428)
[87] (WO2017/079494)
[30] US (62/252,081) 2015-11-06

---

[21] **3,004,296**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01)**
[25] EN
[54] **ENRICH AND AMPLIFY HIGHLY POTENT HUMAN MESENCHYMAL STEM CELLS FROM ELDERLY CELL POPULATIONS**
[54] **ENRICHISSEMENT ET AMPLIFICATION DE CELLULES SOUCHES MESENCHYMATEUSES HUMAINES TRES PUISSANTES A PARTIR DE POPULATIONS DE CELLULES AGEES**
[72] BLOCK, TRAVIS, US
[72] MARINKOVIC, MILOS, US
[72] CHEN, XIAO-DONG, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060624)
[87] (WO2017/079621)
[30] US (62/250,664) 2015-11-04

---

[21] **3,004,297**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **2-(1H-INDAZOL-3-YL)-3H-IMIDAZO[4,5-C]PYRIDINES AND THEIR ANTI-INFLAMMATORY USES THEREOF**
[54] **2-(3H-INDAZOL-3-YL)-1H-IMIDAZO[4,5-C]PYRIDINES ET LEURS UTILISATIONS ANTI-INFLAMMATOIRES**
[72] HOOD, JOHN, US
[72] WALLACE, DAVID MARK, US
[72] KC, SUNIL KUMAR, US
[72] YAZICI, YUSUF, US
[72] SWEARINGEN, CHRISTOPHER, US
[72] DELLAMARY, LUIS A., US
[71] SAMUMED, LLC, US
[85] 2018-05-03
[86] 2016-11-07 (PCT/US2016/060856)
[87] (WO2017/079759)
[30] US (62/252,332) 2015-11-06
[30] US (62/303,168) 2016-03-03

[21] **3,004,298**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 8/06 (2006.01) B01J 8/18 (2006.01) B01J 38/10 (2006.01) C07C 2/50 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **FIRED TUBE CONVERSION SYSTEM AND PROCESS**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE TUBE CUIT**
[72] IACCINO, LARRY L., US
[72] LEMOINE, ROMAIN O.V., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056011)
[87] (WO2017/078893)
[30] US (62/250,693) 2015-11-04
[30] EP (16153717.0) 2016-02-02

---

[21] **3,004,299**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61K 39/395 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **METHODS FOR PREPARING CELLS FOR ADOPTIVE T CELL THERAPY**
[54] **METHODES DE PREPARATION DE LYMPHOCYTES POUR THERAPIE PAR TRANSFERT ADOPTIF DE LYMPHOCYTES T**
[72] FORMAN, STEPHEN J., US
[72] WANG, XIULI, US
[71] CITY OF HOPE, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060478)
[87] (WO2017/079528)
[30] US (62/251,620) 2015-11-05

---

[21] **3,004,300**
[13] A1
[51] **Int.Cl. C07D 239/42 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING AN INHIBITOR OF LYSINE SPECIFIC DEMETHYLASE-1**
[54] **COMPOSITIONS COMPRENANT UN INHIBITEUR DE DEMETHYLASE-1 SPECIFIQUE DE LA LYSINE**
[72] CHEN, YOUNG K., US
[72] KANOUNI, TOUFIKE, US
[72] KALDOR, STEPHEN W., US
[72] STAFFORD, JEFFREY ALAN, US
[72] VEAL, JAMES MARVIN, US
[72] TAVARES-GRECO, PAULA ALESSANDRA, US
[72] KREILEIN, MATTHEW MICHAEL, US
[71] CELGENE QUANTICEL RESEARCH, INC., US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060694)
[87] (WO2017/079670)
[30] US (62/251,507) 2015-11-05

---

[21] **3,004,301**
[13] A1
[51] **Int.Cl. E04G 11/36 (2006.01) E02D 27/02 (2006.01) E02D 27/08 (2006.01) E04G 9/05 (2006.01) E04G 9/10 (2006.01) E04G 15/00 (2006.01)**
[25] EN
[54] **FOUNDATION FORM, DRAINAGE AND VENTILATION SYSTEM THEREFOR AND METHOD OF FORMING**
[54] **FORME DE FONDATIONS, SYSTEME DE VENTILATION ET DRAINAGE ASSOCIE ET PROCEDE DE FORMATION**
[72] MOYHER, CHARLES S., US
[71] MOYHER, CHARLES S., US
[85] 2018-05-03
[86] 2016-11-07 (PCT/US2016/000093)
[87] (WO2017/078749)
[30] US (62/251,264) 2015-11-05
[30] US (62/394,368) 2016-09-14

---

[21] **3,004,302**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A23J 1/00 (2006.01) A23J 3/06 (2006.01) C07K 1/14 (2006.01)**
[25] EN
[54] **PROCESS FOR RECOVERY OF WASTE GEL-MASS FROM SOFTGEL MANUFACTURING PROCESS**
[54] **PROCEDE DE RECUPERATION DE MASSE DE GEL RESIDUELLE A PARTIR D'UN PROCEDE DE FABRICATION DE SOFTGEL**
[72] FULPER, LESTER DAVID, US
[72] STANGE, WERNER, US
[72] HART, NORTON RICHARD, US
[72] MCKEE, SHAWN P., US
[72] TOSADO, NEFTALI, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2018-05-03
[86] 2016-11-08 (PCT/US2016/060905)
[87] (WO2017/083254)
[30] US (62/252,759) 2015-11-09

---

[21] **3,004,303**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 29/42 (2006.01) B01J 38/10 (2006.01) C07C 2/50 (2006.01) C07C 9/15 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PROCESS FOR CONVERSION OF ACYCLIC C5 COMPOUNDS TO CYCLIC C5 COMPOUNDS AND CATALYST COMPOSITION FOR USE THEREIN**
[54] **PROCEDE DE CONVERSION DE COMPOSES C5 ACYCLIQUES EN COMPOSES C5 CYCLIQUES ET COMPOSITION CATALYTIQUE A UTILISER DANS CELUI-CI**
[72] IACCINO, LARRY L., US
[72] BEDARD, JEREMY W., US
[72] LAI, WENYIH F., US
[72] CARR, ROBERT T., US
[72] CHENG, JANE C., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056022)
[87] (WO2017/078896)
[30] US (62/250,675) 2015-11-04
[30] EP (16153720.4) 2016-02-02

[21] **3,004,304**
[13] A1
[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/534 (2006.01)**
[25] EN
[54] **THIN AND FLEXIBLE ABSORBENT ARTICLES**
[54] **ARTICLES ABSORBANTS SOUPLES ET MINCES**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] MORROW, CLINT ADAM, US
[72] HUBBARD, WADE MONROE, JR., US
[72] DUVAL, DEAN LARRY, US
[72] KIRKBRIDE, TANA MARIE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060561)
[87] (WO2017/079579)
[30] US (62/251,029) 2015-11-04

---

[21] **3,004,305**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/02 (2006.01) A61K 39/106 (2006.01) A61K 39/385 (2006.01) A61P 1/12 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **SYNTHETIC ANTIGEN CONSTRUCTS AGAINST CAMPYLOBACTER JEJUNI**
[54] **CONSTRUCTIONS D'ANTIGENES SYNTHETIQUES CONTRE CAMPYLOBACTER JEJUNI**
[72] GUERRY, PATRICIA, US
[72] JIAO, YUENING, CA
[72] MONTEIRO, MARIO ARTUR, CA
[72] PEQUEGNAT, BRITTANY MICHELE, CA
[71] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY, US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060361)
[87] (WO2017/079456)
[30] US (PCT/US2015/059315) 2015-11-05

---

[21] **3,004,306**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C07K 14/705 (2006.01) C07K 16/30 (2006.01) C12N 5/10 (2006.01) C12N 15/79 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS TARGETING HER2**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES CIBLANT HER2**
[72] FORMAN, STEPHEN J., US
[72] PRICEMAN, SAUL J., US
[72] BROWN, CHRISTINE E., US
[71] FORMAN, STEPHEN J., US
[71] PRICEMAN, SAUL J., US
[71] BROWN, CHRISTINE E., US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060724)
[87] (WO2017/079694)
[30] US (62/251,052) 2015-11-04

---

[21] **3,004,307**
[13] A1
[51] **Int.Cl. A61L 29/16 (2006.01) A01N 31/02 (2006.01) A01N 37/44 (2006.01) A01N 43/54 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SOLUTIONS WITH ENHANCED STABILITY**
[54] **SOLUTIONS ANTIMICROBIENNES A STABILITE AMELIOREE**
[72] ROSENBLATT, JOEL, US
[72] RAAD, ISSAM, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060571)
[87] (WO2017/079589)
[30] US (62/251,481) 2015-11-05

---

[21] **3,004,308**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 29/74 (2006.01) B01J 35/10 (2006.01) C07C 2/50 (2006.01) C07C 9/15 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PROCESS FOR CONVERSION OF ACYCLIC C5 COMPOUNDS TO CYCLIC C5 COMPOUNDS AND CATALYST COMPOSITION FOR USE THEREIN**
[54] **PROCEDE DE CONVERSION DE COMPOSES C5 ACYCLIQUES EN COMPOSES C5 CYCLIQUES ET COMPOSITION CATALYTIQUE POUR UTILISATION DANS CELUI-CI**
[72] IACCINO, LARRY L., US
[72] BEDARD, JEREMY W., US
[72] STROHMAIER, KARL G., US
[72] MERTENS, MACHTELD M. W., BE
[72] CARR, ROBERT T., US
[72] CHENG, JANE C., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056023)
[87] (WO2017/078897)
[30] US (62/250,681) 2015-11-04
[30] EP (16153721.2) 2016-02-02

---

[21] **3,004,309**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING AND MONITORING A COMPLIANCE PROGRAM FOR A PLURALITY OF HEALTHCARE ENTITIES**
[54] **SYSTEME ET PROCEDE PERMETTANT DE GERER ET DE SURVEILLER UN PROGRAMME DE CONFORMITE POUR UNE PLURALITE D'ENTITES DE SOINS DE SANTE**
[72] SHEPPARD, JULIE, US
[72] MILLER, LORIS, US
[72] BROOKS, JILL KRISTIN, US
[71] FIRST HEALTHCARE COMPLIANCE, LLC, US
[85] 2018-05-03
[86] 2016-11-09 (PCT/US2016/061136)
[87] (WO2017/083386)
[30] US (62/252,769) 2015-11-09

[21] **3,004,310**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COMBINATORIAL SETS OF NUCLEIC ACID BARCODES FOR ANALYSIS OF NUCLEIC ACIDS ASSOCIATED WITH SINGLE CELLS**
[54] **ENSEMBLES COMBINATOIRES DE CODES-BARRES D'ACIDES NUCLEIQUES POUR L'ANALYSE D'ACIDES NUCLEIQUES ASSOCIES A DES CELLULES UNIQUES**
[72] WITHEY, GARY, US
[71] ATRECA, INC., US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060576)
[87] (WO2017/079593)
[30] US (62/250,900) 2015-11-04

[21] **3,004,311**
[13] A1
[51] **Int.Cl. C23F 11/00 (2006.01) C23F 11/12 (2006.01) C23F 11/18 (2006.01)**
[25] EN
[54] **CORROSION CONTROL FOR WATER SYSTEMS USING TIN CORROSION INHIBITOR WITH A HYDROXYCARBOXYLIC ACID**
[54] **CONTROLE DE LA CORROSION POUR SYSTEMES HYDRAULIQUES METTANT EN □UVRE UN INHIBITEUR DE LA CORROSION A L'ETAIN AVEC UN ACIDE HYDROXYCARBOXYLIQUE**
[72] KALAKODIMI, RAJENDRA PRASAD, US
[72] TURNER, CURT, US
[72] WILLS-GUY, DEANN, US
[71] CHEMTREAT, INC., US
[85] 2018-05-03
[86] 2016-11-07 (PCT/US2016/000101)
[87] (WO2017/078755)
[30] US (14/933,655) 2015-11-05

[21] **3,004,312**
[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **PRESSURE ACTIVATED CURABLE RESIN COATED PROPPANTS WITH HIGH OIL PERMEABILITY**
[54] **AGENTS DE SOUTENEMENT REVETUS DE RESINE DURCISSABLE ACTIVEE PAR PRESSION PRESENTANT UNE GRANDE PERMEABILITE AU PETROLE**
[72] PITCHUMANI, RAMANAN, US
[72] JOSYULA, KANTH, US
[72] RODRIGUEZ, ABRAHAM, US
[71] FAIRMOUNT SANTROL INC., US
[85] 2018-05-03
[86] 2016-11-07 (PCT/US2016/060777)
[87] (WO2017/083220)
[30] US (62/252,904) 2015-11-09

[21] **3,004,313**
[13] A1
[51] **Int.Cl. A61F 13/534 (2006.01) A61F 13/53 (2006.01)**
[25] EN
[54] **ABSORBENT STRUCTURE**
[54] **STRUCTURE ABSORBANTE**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] MORROW, CLINT ADAM, US
[72] HUBBARD, WADE MONROE, JR., US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060581)
[87] (WO2017/079597)
[30] US (62/251,064) 2015-11-04

[21] **3,004,314**
[13] A1
[51] **Int.Cl. F16C 11/06 (2006.01) F16C 33/10 (2006.01)**
[25] EN
[54] **SOCKET ASSEMBLY**
[54] **ENSEMBLE D'EMBOITURE**
[72] PARKER, GLEN C., US
[72] BRETZ, KURT R., US
[71] FEDERAL-MOGUL MOTORPARTS LLC, US
[85] 2018-05-03
[86] 2016-11-10 (PCT/US2016/061213)
[87] (WO2017/083446)
[30] US (62/253,281) 2015-11-10
[30] US (15/209,100) 2016-07-13

[21] **3,004,315**
[13] A1
[51] **Int.Cl. C09K 8/66 (2006.01) C09K 8/80 (2006.01)**
[25] EN
[54] **PRESSURE ACTIVATED CURABLE RESIN COATED PROPPANTS**
[54] **AGENTS DE SOUTENEMENT REVETUS DE RESINE DURCISSABLE ACTIVEE PAR PRESSION**
[72] PITCHUMANI, RAMANAN, US
[72] JOSYULA, KANTH, US
[72] RODRIGUEZ, ABRAHAM, US
[71] FAIRMOUNT SANTROL INC., US
[85] 2018-05-03
[86] 2016-11-07 (PCT/US2016/060779)
[87] (WO2017/083221)
[30] US (62/252,885) 2015-11-09

[21] **3,004,316**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 29/74 (2006.01) B01J 29/88 (2006.01) C07C 2/50 (2006.01) C07C 9/15 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PROCESS FOR CONVERSION OF ACYCLIC C5 COMPOUNDS TO CYCLIC C5 COMPOUNDS AND CATALYST COMPOSITION FOR USE THEREIN**
[54] **PROCEDE DE CONVERSION DE COMPOSES C5C ACYCLIQUES EN COMPOSES C5 CYCLIQUES ET COMPOSITION CATALYTIQUE UTILISEES DANS LE PROCEDE**
[72] IACCINO, LARRY L., US
[72] BEDARD, JEREMY W., US
[72] LAI, WENYIH F., US
[72] EVANS, CHRISTOPHER M., US
[72] CHENG, JANE C., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056025)
[87] (WO2017/078898)
[30] US (62/250,688) 2015-11-04
[30] EP (16153722.0) 2016-02-02

[21] **3,004,317**
[13] A1
[51] **Int.Cl. B60G 21/055 (2006.01)**
[25] EN
[54] **SWAY BAR LINKAGE WITH BUSHING**
[54] **TRINGLERIE DE BARRE STABILISATRICE A BAGUE**
[72] HARVEY, RICHARD W., US
[71] FEDERAL-MOGUL MOTORPARTS LLC, US
[85] 2018-05-03
[86] 2016-11-10 (PCT/US2016/061216)
[87] (WO2017/083448)
[30] US (62/253,379) 2015-11-10
[30] US (15/197,168) 2016-06-29

---

[21] **3,004,318**
[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01) A61F 13/534 (2006.01) A61L 15/42 (2006.01) A61L 15/60 (2006.01)**
[25] EN
[54] **ABSORBENT STRUCTURE**
[54] **STRUCTURE ABSORBANTE**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] MORROW, CLINT ADAM, US
[72] DUVAL, DEAN LARRY, US
[72] HUBBARD, WADE MONROE, JR., US
[72] BELLUCCI, REMO, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-03
[86] 2016-11-04 (PCT/US2016/060588)
[87] (WO2017/079601)
[30] US (62/250,825) 2015-11-04

---

[21] **3,004,319**
[13] A1
[51] **Int.Cl. G02B 6/00 (2006.01)**
[25] EN
[54] **METASURFACES FOR REDIRECTING LIGHT AND METHODS FOR FABRICATING**
[54] **METASURFACES POUR REDIRIGER LA LUMIERE ET PROCEDES DE FABRICATION**
[72] PEROZ, CHRISTOPHE, US
[72] MELLI, MAURO, US
[72] LIN, DIANMIN, US
[72] POLIAKOV, EVGENI, US
[72] ST. HILAIRE, PIERRE, US
[71] MAGIC LEAP, INC., US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060392)
[87] (WO2017/079480)
[30] US (62/252,315) 2015-11-06
[30] US (62/252,929) 2015-11-09

---

[21] **3,004,320**
[13] A1
[51] **Int.Cl. C07C 2/52 (2006.01) B01J 29/44 (2006.01) C07C 13/15 (2006.01) C07C 13/61 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR MAKING CYCLOPENTADIENE AND/OR DICYCLOPENTADIENE**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE CYCLOPENTADIENE ET/OU DE DICYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEUNG, KEVIN C.P., CN
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056030)
[87] (WO2017/078900)
[30] US (62/250,678) 2015-11-04
[30] EP (16153725.3) 2016-02-02

---

[21] **3,004,321**
[13] A1
[51] **Int.Cl. B29C 51/10 (2006.01) B29C 41/00 (2006.01) B29C 41/02 (2006.01) B29C 41/22 (2006.01) B29C 41/34 (2006.01) B29C 41/36 (2006.01)**
[25] EN
[54] **PERSONAL WATERCRAFT FABRICATION USING THERMOFORMING**
[54] **FABRICATION DE SCOOTER DES MERS PAR THERMOFORMAGE**
[72] DARLING, JORDAN, US
[71] FREE FORM FACTORY INC., US
[85] 2018-05-03
[86] 2016-11-16 (PCT/US2016/062351)
[87] (WO2017/091416)
[30] US (14/949,881) 2015-11-24

---

[21] **3,004,322**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 29/44 (2006.01) C07C 2/50 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PRODUCTION OF CYCLIC C5 COMPOUNDS**
[54] **PRODUCTION DE COMPOSES CYCLIQUES EN C5**
[72] IACCINO, LARRY L., US
[72] BEDARD, JEREMY W., US
[72] LAI, WENYIH F., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056033)
[87] (WO2017/078901)
[30] US (62/250,689) 2015-11-04
[30] EP (16153726.1) 2016-02-02

[21] **3,004,324**
[13] A1
[51] **Int.Cl. C07C 2/52 (2006.01) B01J 29/44 (2006.01) C07C 7/04 (2006.01) C07C 13/15 (2006.01) C07C 13/61 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR MAKING CYCLOPENTADIENE AND/OR DICYCLOPENTADIENE**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE CYCLOPENTADIENE ET/OU DE DICYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEUNG, KEVIN C.P., CN
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056038)
[87] (WO2017/078902)
[30] US (62/250,692) 2015-11-04
[30] EP (16153728.7) 2016-02-02

[21] **3,004,325**
[13] A1
[51] **Int.Cl. F21S 8/08 (2006.01) F21V 3/02 (2006.01) F21V 5/00 (2018.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR USE IN ASSOCIATION WITH LIGHTING SYSTEMS**
[54] **PROCEDES ET APPAREIL A UTILISER EN ASSOCIATION AVEC DES SYSTEMES D'ECLAIRAGE**
[72] ALMOSDI, PETER, HU
[72] ZSELLER, VIKTOR, HU
[72] PETER, AKOS, HU
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2018-05-03
[86] 2016-11-10 (PCT/US2016/061218)
[87] (WO2017/083450)
[30] US (14/940,099) 2015-11-12

[21] **3,004,326**
[13] A1
[51] **Int.Cl. A23L 3/36 (2006.01) A47J 36/08 (2006.01) B65D 81/18 (2006.01) F25D 3/08 (2006.01) F25D 3/11 (2006.01) F25D 17/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR AT LEAST SEMI-AUTONOMOUS MEAL STORAGE AND COOKING VIA FLUID IMMERSION**
[54] **APPAREILS ET PROCEDES POUR LE STOCKAGE ET LA CUISSON DE NOURRITURE AU MOINS SEMI-AUTONOME PAR IMMERSION DANS UN FLUIDE**
[72] LISS, ROBIN, US
[71] HOME TECH INNOVATION, INC, US
[85] 2018-05-03
[86] 2016-11-11 (PCT/US2016/061549)
[87] (WO2017/083664)
[30] US (62/253,795) 2015-11-11

[21] **3,004,328**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL CONNECTION TERMINALS FOR FIBER OPTIC COMMUNICATIONS NETWORKS**
[54] **BORNES DE CONNEXION OPTIQUE POUR RESEAUX DE COMMUNICATION A FIBRE OPTIQUE**
[72] COURCHAINE, WINK, US
[72] VAUGHN, ROGER, US
[72] EBRAHIMI, VAHID, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2018-05-03
[86] 2016-11-10 (PCT/US2016/061334)
[87] (WO2017/083519)
[30] US (62/253,867) 2015-11-11

[21] **3,004,329**
[13] A1
[51] **Int.Cl. C22B 5/16 (2006.01) C22B 5/20 (2006.01)**
[25] EN
[54] **PROCESS FOR RECOVERING METALS**
[54] **PROCEDE DE RECUPERATION DE METAUX**
[72] EMMANUEL, NANTHAKUMAR VICTOR, CA
[72] KOVTUN, SERGE, CA
[72] KHOZAN, KAMRAN M., CA
[71] KHOZAN HOLDINGS INC., CA
[85] 2018-05-04
[86] 2016-11-04 (PCT/CA2016/000271)
[87] (WO2017/075693)
[30] US (62/252, 183) 2015-11-06

[21] **3,004,330**
[13] A1
[51] **Int.Cl. C07C 2/52 (2006.01) B01D 53/047 (2006.01) B01D 61/00 (2006.01) B01D 63/00 (2006.01) B01J 29/44 (2006.01) C07C 13/15 (2006.01) C07C 13/61 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR MAKING CYCLOPENTADIENE AND/OR DICYCLOPENTADIENE**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE CYCLOPENTADIENE ET/OU DE DICYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[72] LEUNG, KEVIN, CN
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056041)
[87] (WO2017/078903)
[30] US (62/250,702) 2015-11-04
[30] EP (16153729.5) 2016-02-02

[21] **3,004,331**
[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A61K 9/00 (2006.01) A61K 31/192 (2006.01) A61K 31/195 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) C07C 57/32 (2006.01)**
[25] EN
[54] **FORMULATIONS OF L-ORNITHINE PHENYLACETATE**
[54] **FORMULATION DE PHENYLACETATE DE L-ORNITHINE**
[72] WANG, LAURENE, US
[72] GRAIS, LINDA S., US
[72] BUKOFZER, STANLEY, US
[71] OCERA THERAPEUTICS, INC., US
[85] 2018-05-03
[86] 2016-11-11 (PCT/US2016/061678)
[87] (WO2017/083758)
[30] US (62/255,300) 2015-11-13
[30] US (62/276,754) 2016-01-08
[30] US (15/133,087) 2016-04-19

---

[21] **3,004,332**
[13] A1
[51] **Int.Cl. C07C 5/333 (2006.01) B01J 8/06 (2006.01) B01J 8/18 (2006.01) B01J 29/44 (2006.01) B01J 38/04 (2006.01) C07C 2/50 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR CONVERTING HYDROCARBONS TO CYCLOPENTADIENE**
[54] **PROCESSUS ET SYSTEMES DE CONVERSION D'HYDROCARBURES EN CYCLOPENTADIENE**
[72] IACCINO, LARRY L., US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2018-05-03
[86] 2016-10-07 (PCT/US2016/056048)
[87] (WO2017/078905)
[30] US (62/250,697) 2015-11-04
[30] EP (16153727.9) 2016-02-02

---

[21] **3,004,334**
[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LINKING CUSTOMER INTERACTIONS WITH CUSTOMER MESSAGING PLATFORMS**
[54] **PROCEDE ET APPAREIL PERMETTANT DE LIER DES INTERACTIONS DE CLIENT A DES PLATEFORMES DE MESSAGERIE DE CLIENT**
[72] KANNAN, PALLIPURAM V., US
[71] 24/7 CUSTOMER, INC., US
[85] 2018-05-03
[86] 2016-11-11 (PCT/US2016/061689)
[87] (WO2017/083765)
[30] US (62/255,243) 2015-11-13
[30] US (15/348,939) 2016-11-10

---

[21] **3,004,335**
[13] A1
[51] **Int.Cl. H05K 1/02 (2006.01) H01L 39/22 (2006.01) H05K 1/03 (2006.01)**
[25] EN
[54] **CIRCUIT CARD ASSEMBLY AND METHOD OF PROVIDING SAME**
[54] **ENSEMBLE CARTE DE CIRCUIT IMPRIME ET SON PROCEDE DE PRODUCTION**
[72] CHRISTIANSEN, MARTIN BROKNER, US
[72] CHOROSINSKI, LEONARD GEORGE, US
[72] HEFFNER, H. CRAIG, US
[72] WAKAMIYA, STANLEY KATSUYOSHI, US
[72] KIRKWOOD, KEITH R., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2018-05-03
[86] 2016-10-11 (PCT/US2016/056446)
[87] (WO2017/087093)
[30] US (14/943,299) 2015-11-17

---

[21] **3,004,336**
[13] A1
[51] **Int.Cl. C11D 1/835 (2006.01) C11D 1/62 (2006.01) C11D 1/68 (2006.01)**
[25] EN
[54] **LOW-FOAMING WAREWASH DETERGENT CONTAINING MIXED CATIONIC/NONIONIC SURFACTANT SYSTEM FOR ENHANCED OILY SOIL REMOVAL**
[54] **DETERGENT VAISSELLE PEU MOUSSANT, CONTENANT UN SYSTEME TENSIOACTIF MIXTE CATIONIQUE/NON IONIQUE POUR UNE MEILLEURE ELIMINATION DES SALISSURES HUILEUSES**
[72] DOTZAUER, DAVID, US
[72] FU, RICHARD, CN
[72] SANDERS, LISA, US
[72] ROERDINK-LANDER, MONIQUE, US
[72] MANSERGH, JOHN, US
[72] SILVERNAIL, CARTER, US
[72] LUEDTKE, MATTHEW, US
[71] ECOLAB USA INC., US
[85] 2018-05-03
[86] 2016-11-14 (PCT/US2016/061737)
[87] (WO2017/083798)
[30] CN (201510767603.9) 2015-11-12

---

[21] **3,004,337**
[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01)**
[25] EN
[54] **CIRCUIT CARD RACK SYSTEM AND METHOD**
[54] **SYSTEME DE BATI DE CARTES DE CIRCUIT IMPRIME ET PROCEDE**
[72] CHRISTIANSEN, MARTIN BROKNER, US
[72] CHOROSINSKI, LEONARD GEORGE, US
[72] HEFFNER, H. CRAIG, US
[72] WAKAMIYA, STANLEY KATSUYOSHI, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2018-05-03
[86] 2016-10-12 (PCT/US2016/056616)
[87] (WO2017/087096)
[30] US (14/943,385) 2015-11-17

[21] **3,004,338**
[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **DISTRIBUTED, DECENTRALIZED DATA AGGREGATION**
[54] **AGREGATION DE DONNEES DECENTRALISEES, DISTRIBUEES**
[72] CALDWELL, JOHN RYAN, US
[71] MX TECHNOLOGIES, INC., US
[85] 2018-05-03
[86] 2016-11-14 (PCT/US2016/061908)
[87] (WO2017/083861)
[30] US (62/254,708) 2015-11-12
[30] US (62/280,070) 2016-01-18
[30] US (15/167,650) 2016-05-27

[21] **3,004,339**
[13] A1
[51] **Int.Cl. G01M 3/00 (2006.01) F17D 5/02 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR SIMULATING A LEAK IN A PIPELINE, AND AN OUTLET FOR COUPLING A CONDUIT TO A PIPELINE**
[54] **PROCEDE ET SYSTEME POUR SIMULER UNE FUITE DANS UN PIPELINE, ET SORTIE POUR RACCORDER UN CONDUIT A UN PIPELINE**
[72] HULL, JOHN, CA
[72] JALILIAN, SEYED EHSAN, CA
[72] PLETNYOV, OLEKSIY, CA
[71] HIFI ENGINEERING INC., CA
[85] 2018-05-04
[86] 2016-11-03 (PCT/CA2016/051283)
[87] (WO2017/075712)
[30] US (62/251,521) 2015-11-05

[21] **3,004,341**
[13] A1
[51] **Int.Cl. F16L 55/179 (2006.01) F16L 55/16 (2006.01) F16L 55/162 (2006.01) F16L 55/165 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REPAIRING A PIPE JUNCTION**
[54] **PROCEDE ET APPAREIL DE REPARATION D'UN RACCORD DE TUYAU**
[72] KIEST, LARRY W., US
[71] LMK TECHNOLOGIES, LLC, US
[85] 2018-05-03
[86] 2016-11-10 (PCT/US2016/061349)
[87] (WO2017/083531)
[30] US (62/253,199) 2015-11-10

[21] **3,004,342**
[13] A1
[51] **Int.Cl. A61B 6/10 (2006.01) G21F 3/00 (2006.01)**
[25] EN
[54] **RADIATION PROTECTION SCREEN**
[54] **PARAVENT DE RADIOPROTECTION**
[72] VALADE, FREDERIC, FR
[72] COURTAIS, HUGUES, FR
[71] ARCITA, FR
[85] 2018-05-03
[86] 2016-11-07 (PCT/FR2016/052881)
[87] (WO2017/077259)
[30] FR (1560606) 2015-11-05

[21] **3,004,343**
[13] A1
[51] **Int.Cl. C09C 1/40 (2006.01) C09C 1/30 (2006.01) C09C 3/00 (2006.01) C09C 3/06 (2006.01) C09C 3/08 (2006.01) C09C 3/12 (2006.01)**
[25] FR
[54] **SPHERICAL PARTICLES FILLED WITH COLOURING AGENTS**
[54] **PARTICULES SPHERIQUES ET CHARGEES EN AGENTS COLORANTS**
[72] MARCHIN, LOIC, FR
[72] DESSE, MARIE-LAURE, FR
[71] PYLOTE, FR
[85] 2018-05-03
[86] 2016-11-10 (PCT/FR2016/052936)
[87] (WO2017/081427)
[30] FR (1560840) 2015-11-12

[21] **3,004,344**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DYNAMICALLY SELECTING CONTENT FOR ONLINE VISITORS**
[54] **PROCEDE ET APPAREIL POUR SELECTIONNER DE MANIERE DYNAMIQUE UN CONTENU POUR DES VISITEURS EN LIGNE**
[72] CHAKRABORTY, ABIR, IN
[72] JOSHI, PRASHANT, IN
[71] 24/7 CUSTOMER, INC., US
[85] 2018-05-03
[86] 2016-11-10 (PCT/US2016/061380)
[87] (WO2017/083554)
[30] US (62/255,252) 2015-11-13
[30] US (15/346,679) 2016-11-08

[21] **3,004,345**
[13] A1
[51] **Int.Cl. G16H 20/10 (2018.01) H04W 8/18 (2009.01) G06Q 30/02 (2012.01) H04W 4/021 (2018.01) G08B 21/24 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR IN-STORE PRESCRIPTION NOTIFICATIONS**
[54] **TECHNIQUES DE NOTIFICATIONS D'ORDONNANCE EN MAGASIN**
[72] HUMPHREYS, DUSTIN WAYNE, US
[72] KUKREJA, VIJAY L, US
[72] GUDIMETLA, DHARMENDRA, US
[71] CVS PHARMACY, INC., US
[85] 2018-02-06
[86] 2016-08-17 (PCT/US2016/047325)
[87] (WO2017/031195)
[30] US (14/829,160) 2015-08-18

[21] **3,004,346**
[13] A1
[51] **Int.Cl. C09K 8/04 (2006.01) C09K 8/20 (2006.01) C09K 8/80 (2006.01) C09K 8/84 (2006.01) C09K 8/90 (2006.01)**
[25] EN
[54] **COATED PARTICLES AND METHODS OF MAKING AND USING THE SAME**
[54] **PARTICULES REVETUES ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] CHAN, RYAN NICHOLAS, US
[72] WILLIAMS, DREW, US
[72] MEREDITH, CALEB, US
[72] HOLT, CHARLOTTE, US
[72] SADEGHIFAR, HASAN, US
[71] TETHIS, INC., US
[85] 2018-05-03
[86] 2016-11-18 (PCT/US2016/062773)
[87] (WO2017/091463)
[30] US (62/258,976) 2015-11-23
[30] US (62/317,244) 2016-04-01
[30] US (62/324,052) 2016-04-18
[30] US (62/395,621) 2016-09-16

[21] **3,004,347**
[13] A1
[51] **Int.Cl. B01J 19/10 (2006.01) B01L 3/00 (2006.01) G01N 29/02 (2006.01)**
[25] EN
[54] **ACOUSTIC WAVE SORTING**
[54] **TRI D'ONDE ACOUSTIQUE**
[72] WEITZ, DAVID A., US
[72] UNG, WARREN LIOYD, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-02-26
[86] 2016-08-25 (PCT/US2016/048513)
[87] (WO2017/035287)
[30] US (62/210,899) 2015-08-27

[21] **3,004,348**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/437 (2006.01) A61K 31/4523 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER USING B-RAF INHIBITORS AND IMMUNE CHECKPOINT INHIBITORS**
[54] **METHODES DE TRAITEMENT DU CANCER AU MOYEN D'INHIBITEURS DE B-RAF ET D'INHIBITEURS DE POINT DE CONTROLE IMMUNITAIRES**
[72] COLBURN, DAWN, US
[72] RICHIE, NICOLE, US
[71] GENENTECH, INC., US
[85] 2018-05-03
[86] 2016-11-18 (PCT/US2016/062859)
[87] (WO2017/087851)
[30] US (62/257,645) 2015-11-19

[21] **3,004,349**
[13] A1
[51] **Int.Cl. C12N 15/90 (2006.01) A01K 67/027 (2006.01) A61K 35/28 (2015.01) A61K 48/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 15/86 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR ENGINEERING IMMUNITY**
[54] **METHODES ET COMPOSITIONS POUR MODIFIER L'IMMUNITE**
[72] HOLMES, MICHAEL C., US
[72] RILEY, BRIGIT E., US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2018-05-03
[86] 2016-11-21 (PCT/US2016/063146)
[87] (WO2017/091512)
[30] US (62/258,864) 2015-11-23
[30] US (62/405,521) 2016-10-07

[21] **3,004,350**
[13] A1
[51] **Int.Cl. G01N 27/22 (2006.01) G01N 33/24 (2006.01) G01R 27/26 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR NON-INVASIVE ROOT PHENOTYPING**
[54] **PROCEDE ET DISPOSITIF POUR PHENOTYPAGE DE RACINE NON INVASIF**
[72] BENFEY, PHILIP, US
[72] WINDLE, JESSE, US
[72] GOLDMAN, DANIEL, US
[72] AGUILAR, JEFF, US
[72] JOHNSON, LOGAN, US
[71] HI FIDELITY GENETICS LLC, US
[85] 2018-05-03
[86] 2016-11-22 (PCT/US2016/063417)
[87] (WO2017/091622)
[30] US (62/259,587) 2015-11-24

[21] **3,004,351**
[13] A1
[51] **Int.Cl. B65F 1/14 (2006.01) B65D 77/30 (2006.01) B65D 83/08 (2006.01) B65F 1/00 (2006.01)**
[25] EN
[54] **TRASH BAG APPARATUS**
[54] **APPAREIL POUR SACS-POUBELLE**
[72] CASTRO, DEJA S., US
[71] RDC SYSTEMS, LLC, US
[85] 2018-03-27
[86] 2016-10-27 (PCT/US2016/059104)
[87] (WO2017/079028)
[30] US (62/251,159) 2015-11-05
[30] US (15/193,972) 2016-06-27

[21] **3,004,352**
[13] A1
[51] **Int.Cl. B62B 5/02 (2006.01) A61G 5/06 (2006.01)**
[25] EN
[54] **STAIR TRAVERSING DEVICE**
[54] **DISPOSITIF PERMETTANT DE TRAVERSER UN ESCALIER**
[72] NACCARATO, FRANCESCO, CA
[71] QUANTUM ROBOTIC SYSTEMS INC., CA
[85] 2018-05-04
[86] 2016-11-22 (PCT/CA2016/051368)
[87] (WO2017/088048)
[30] US (62/258,741) 2015-11-23

[21] **3,004,353**
[13] A1
[51] **Int.Cl. F28D 21/00 (2006.01) F28B 9/06 (2006.01) G21C 9/012 (2006.01) G21C 15/18 (2006.01)**
[25] EN
[54] **DEPRESSURIZATION AND COOLING SYSTEM FOR A CONTAINMENT OF A NUCLEAR POWER PLANT**
[54] **SYSTEME DE DEPRESSURISATION ET DE REFROIDISSEMENT DESTINE A UNE ENCEINTE DE CONFINEMENT D'UNE CENTRALE NUCLEAIRE**
[72] HILL, AXEL, DE
[71] FRAMATOME GMBH, DE
[85] 2018-05-04
[86] 2015-11-09 (PCT/EP2015/076106)
[87] (WO2017/080580)

[21] **3,004,354**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **HIGH FREQUENCY ULTRASOUND TRANSDUCER AND METHOD FOR MANUFACTURE**
[54] **TRANSDUCTEUR A ULTRASONS A HAUTE FREQUENCE ET PROCEDE DE FABRICATION**
[72] CHAGGARES, NICHOLAS CHRISTOPHER, CA
[72] IVANYTSKYY, OLEG, CA
[72] KOLAJA, ROBERT, CA
[72] PANG, GUOFENG, CA
[71] FUJIFILM SONOSITE, INC., US
[85] 2018-05-03
[86] 2016-11-22 (PCT/US2016/063431)
[87] (WO2017/091632)
[30] US (62/260,213) 2015-11-25

---

[21] **3,004,355**
[13] A1
[51] **Int.Cl. A47K 10/32 (2006.01) A47K 10/38 (2006.01)**
[25] EN
[54] **DISPENSER FOR ROLLS**
[54] **DISTRIBUTEUR DE ROULEAUX**
[72] BENGTSSON, MATTIAS, SE
[72] GANDEMO, TOMAS, SE
[72] HJORT, ERIK, SE
[72] POMMER, STIG, SE
[72] KULLMAN, MARCUS, SE
[71] SCA HYGIENE PRODUCTS AB, SE
[85] 2018-05-04
[86] 2015-11-16 (PCT/EP2015/076670)
[87] (WO2017/084689)

---

[21] **3,004,356**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **MEDICAL INSTRUMENT INCLUDING HIGH FREQUENCY ULTRASOUND TRANSDUCER ARRAY**
[54] **INSTRUMENT MEDICAL COMPRENANT UN RESEAU DE TRANSDUCTEURS A ULTRASONS HAUTE FREQUENCE**
[72] CHAGGARES, NICHOLAS CHRISTOPHER, CA
[72] HIRSON, DESMOND, CA
[72] IVANYTSKYY, OLEG, CA
[72] KOLAJA, ROBERT, CA
[72] PANG, GUOFENG, CA
[71] FUJIFILM SONOSITE, INC., US
[85] 2018-05-03
[86] 2016-11-22 (PCT/US2016/063433)
[87] (WO2017/091633)
[30] US (62/260,219) 2015-11-25

---

[21] **3,004,357**
[13] A1
[51] **Int.Cl. H02K 41/03 (2006.01) H01F 27/28 (2006.01) H02K 3/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A COIL ASSEMBLY, COIL ASSEMBLY, STATOR, AND MULTI-DIMENSIONAL DRIVE**
[54] **PROCEDE DE FABRICATION D'UN ENSEMBLE BOBINE, ENSEMBLE BOBINE, STATOR ET ENTRAINEMENT MULTIDIMENSIONNEL**
[72] ALBRECHT, ANDREAS, DE
[72] JUNKER, STEFAN, DE
[72] KAMENSHCHIKOV, ILYA, DE
[72] DAEHLING, STEFAN, DE
[72] HENRICHS, VOLKER, DE
[72] HANISCH, MARKUS, DE
[71] ROBERT BOSCH GMBH, DE
[85] 2018-05-04
[86] 2016-10-28 (PCT/EP2016/076026)
[87] (WO2017/076761)
[30] DE (10 2015 221 710.8) 2015-11-05
[30] DE (10 2016 204 721.3) 2016-03-22
[30] DE (10 2016 221 181.1) 2016-10-27

---

[21] **3,004,358**
[13] A1
[51] **Int.Cl. A23D 7/00 (2006.01) A23D 7/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING FAT CONTINUOUS EMULSIONS CONTAINING MIDSTOCK OR CREAM**
[54] **PROCEDE DE PREPARATION D'EMULSIONS CONTINUES GRASSES CONTENANT UNE BASE SEMI-SOLIDE OU UNE CREME**
[72] DE MAN, TEUNIS, NL
[72] MELNIKOV, SERGEY MICHAILOVICH, DE
[71] UNILEVER BCS LIMITED, GB
[85] 2018-05-04
[86] 2016-11-03 (PCT/EP2016/076573)
[87] (WO2017/084886)
[30] EP (15195607.5) 2015-11-20

---

[21] **3,004,359**
[13] A1
[51] **Int.Cl. H04W 12/06 (2009.01) H04L 29/06 (2006.01)**
[25] EN
[54] **SUPPORT OF EMERGENCY SERVICES OVER WLAN ACCESS TO 3GPP EVOLVED PACKET CORE FOR UNAUTHENTICATED USERS**
[54] **PRISE EN CHARGE DE SERVICES D'URGENCE SUR UN ACCES WLAN A UN C□UR DE PAQUET EVOLUE DE 3GPP POUR DES UTILISATEURS NON AUTHENTIFIES**
[72] THIEBAUT, LAURENT, FR
[72] LANDAIS, BRUNO, FR
[72] DREVON, NICOLAS, FR
[71] ALCATEL LUCENT, FR
[85] 2018-05-04
[86] 2016-11-03 (PCT/EP2016/076588)
[87] (WO2017/076986)
[30] EP (15306757.4) 2015-11-05

[21] **3,004,360**
[13] A1
[51] **Int.Cl. C07D 271/113 (2006.01) A01N 43/82 (2006.01)**
[25] EN
[54] **THERMODYNAMICALLY STABLE CRYSTAL MODIFICATION OF 2-METHYL-N-(5-METHYL-1,3,4-OXADIAZOLE-2-YL)-3-(METHYLSULFONYL)-4-(TRIFLUOROMETHYL)BENZAMIDE**
[54] **MODIFICATION CRISTALLINE THERMODYNAMIQUEMENT STABLE DU 2-METHYL-N-(5-METHYL-1,3,4-OXADIAZOL-2-YL)-3-(METHYLSULFONYL)-4-(TRIFLUOROMETHYL)BENZAMIDE**
[72] KOHN, ARNIM, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] WALDRAFF, CHRISTIAN, DE
[72] OLENIK, BRITTA, DE
[72] KEIL, BIRGIT, DE
[72] MEHL, BENEDIKT, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2018-05-04
[86] 2016-11-04 (PCT/EP2016/076620)
[87] (WO2017/080912)
[30] EP (15193615.0) 2015-11-09

---

[21] **3,004,361**
[13] A1
[51] **Int.Cl. F24H 1/20 (2006.01) F24H 9/18 (2006.01) F24H 9/20 (2006.01)**
[25] EN
[54] **HEATABLE FLUID BAG**
[54] **SAC DE FLUIDE CHAUFFANT**
[72] AMATO, DAVID JOHN, NZ
[72] ZHANG, HUIQUAN, CN
[71] AMATO, DAVID JOHN, NZ
[71] ZHANG, HUIQUAN, CN
[85] 2018-05-04
[86] 2015-11-18 (PCT/CN2015/094877)
[87] (WO2017/079989)
[30] CN (201510774117.X) 2015-11-13

---

[21] **3,004,362**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 31/50 (2006.01)**
[25] EN
[54] **IMPROVED FORMULATIONS OF LEVOSIMENDAN FOR INTRAVENOUS ADMINISTRATION AS INFUSION OR INJECTION AND OF INFUSION CONCENTRATE**
[54] **FORMULATIONS AMELIOREES DE LEVOSIMENDANE POUR ADMINISTRATION INTRAVEINEUSE PAR PERFUSION OU INJECTION ET DE CONCENTRE POUR PERFUSION**
[72] WEILAND, ANDREA, DE
[71] CARINOPHARM GMBH, DE
[85] 2018-05-04
[86] 2016-11-04 (PCT/EP2016/076669)
[87] (WO2017/077032)
[30] EP (15193521.0) 2015-11-06

---

[21] **3,004,363**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/21 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING A BIOCOMPATIBLE AND BIODEGRADABLE POLYMER, NANOCARRIES AND A DRUG AND METHODS OF MAKING AND USING THE SAME**
[54] **COMPOSITION CONTENANT UN POLYMERE BIOCOMPATIBLE ET BIODEGRADABLE, DES NANOSUPPORTS ET UN MEDICAMENT, ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] WACKER, MATTHIAS, DE
[72] BEYER, SUSANNE, DE
[72] PARNHAM, MICHAEL, DE
[72] MANTELE, WERNER, DE
[72] XIE, LI, DE
[72] VOGEL, VITALI, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2018-05-04
[86] 2016-11-04 (PCT/EP2016/076715)
[87] (WO2017/077066)
[30] EP (15193382.7) 2015-11-06

---

[21] **3,004,364**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/403 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSDERMAL DRUG DELIVERY**
[54] **SYSTEMES ET METHODES POUR L'ADMINISTRATION TRANSDERMIQUE DE MEDICAMENT**
[72] ROY, SAMIR, US
[71] ELLIPTICAL THERAPEUTICS, LLC, US
[85] 2018-05-03
[86] 2016-11-28 (PCT/US2016/063816)
[87] (WO2017/095730)
[30] US (62/260,980) 2015-11-30

---

[21] **3,004,365**
[13] A1
[51] **Int.Cl. A62B 33/00 (2006.01)**
[25] EN
[54] **AVALANCHE PROTECTION DEVICE**
[54] **DISPOSITIF DE PROTECTION EN CAS D'AVALANCHE**
[72] STAUB, STEFAN, CH
[72] ROOS, THOMAS, CH
[72] GALLASCH, CLAUDIO, CH
[71] MAMALOHA GMBH, CH
[85] 2018-05-04
[86] 2016-11-04 (PCT/EP2016/076730)
[87] (WO2017/077074)
[30] CH (1609/15) 2015-11-05

[21] **3,004,366**
[13] A1
[51] **Int.Cl. A61K 31/57 (2006.01) A61P 25/32 (2006.01)**
[25] EN
[54] **NON-BIOCONVERTIBLE C3-SUBSTITUTED PREGNENOLONE DERIVATIVES FOR USE IN THE TREATMENT OF SUBSTANCE USE DISORDERS**
[54] **DERIVES NON BIOCONVERTIBLES SUBSTITUES EN C3 DE LA PREGNENOLONE POUR UNE UTILISATION DANS LE TRAITEMENT DE TROUBLES ADDICTIFS**
[72] KOOB, GEORGE F., US
[72] JEAN MASON, BARBARA, US
[72] GEORGE, OLIVIER, US
[72] BAULIEU, ETIENNE, FR
[72] VILLEY, ISABELLE, FR
[71] MAPREG, FR
[85] 2018-05-04
[86] 2016-11-04 (PCT/EP2016/076741)
[87] (WO2017/077082)
[30] EP (15306765.7) 2015-11-06

---

[21] **3,004,367**
[13] A1
[51] **Int.Cl. B22C 1/02 (2006.01) B22C 9/02 (2006.01) C04B 35/628 (2006.01)**
[25] EN
[54] **MOLDING MATERIALS FOR NON-FERROUS CASTING**
[54] **MATERIAUX A MOULER POUR PIECE COULEE NON FERREUSE**
[72] WANG, XIANPING, US
[72] STURTZ, GREGORY P., US
[72] LOWE, KATHLEEN E., US
[72] KROKER, JOERG, US
[71] ASK CHEMICALS LLC, US
[85] 2018-05-03
[86] 2016-12-14 (PCT/US2016/066593)
[87] (WO2017/106302)
[30] US (62/269,499) 2015-12-18

---

[21] **3,004,368**
[13] A1
[51] **Int.Cl. B32B 27/38 (2006.01) B32B 27/40 (2006.01) C08G 18/10 (2006.01) C08G 18/32 (2006.01) C08G 18/48 (2006.01) C08G 18/76 (2006.01) C08L 63/04 (2006.01) E21B 43/00 (2006.01) F16L 58/00 (2006.01)**
[25] EN
[54] **OIL SANDS LINER SYSTEM**
[54] **SYSTEME DE REVETEMENT POUR SABLES BITUMINEUX**
[72] CRIBB, JOHNATHAN ARTHUR, US
[72] PETER, THOMAS HARALD, US
[71] LANXESS SOLUTIONS US INC., US
[85] 2018-05-03
[86] 2016-12-20 (PCT/US2016/067660)
[87] (WO2017/116819)
[30] US (62/271,761) 2015-12-28

---

[21] **3,004,369**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/15 (2015.01) A61K 39/39 (2006.01) A61K 39/395 (2006.01) A61K 49/16 (2006.01) A61K 51/10 (2006.01) A61P 35/04 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **COMBINATION OF HDAC INHIBITOR AND ANTI-PD-L1 ANTIBODY FOR TREATMENT OF OVARIAN CANCER**
[54] **COMBINAISON D'INHIBITEUR DE HDAC ET D'ANTICORPS ANTI-PD-L1 POUR LE TRAITEMENT DE CANCER DES OVAIRES**
[72] ORDENTLICH, PETER, US
[72] MEYERS, MICHEL, US
[71] SYNDAX PHARMACEUTICALS, INC., US
[71] MERCK PATENT GMBH, DE
[71] PFIZER INC., US
[85] 2018-05-03
[86] 2016-12-28 (PCT/US2016/068836)
[87] (WO2017/117196)
[30] US (62/271,914) 2015-12-28

---

[21] **3,004,370**
[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01) C09K 8/00 (2006.01)**
[25] EN
[54] **COMPOSITION OF MATTER AND USE THEREOF**
[54] **COMPOSITION DE MATIERE ET SON UTILISATION**
[72] DAVIES, EVAN LLOYD, US
[72] VANLUE, DUKE, US
[72] HOU, YANAN, US
[72] LI, LIGUO, US
[72] HUGHES, DAVID, US
[71] DOWNHOLE TECHNOLOGY, LLC, US
[85] 2018-05-03
[86] 2017-07-03 (PCT/US2017/040611)
[87] (WO2018/009485)
[30] US (62/358,230) 2016-07-05
[30] US (62/439,085) 2016-12-26

---

[21] **3,004,371**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/20 (2006.01) C08G 18/72 (2006.01) C08G 18/79 (2006.01) C08K 3/00 (2018.01)**
[25] EN
[54] **A CURABLE POLYURETHANE COMPOSITION FOR THE PREPARATION OF OUTDOOR ARTICLES, AND THE ARTICLES OBTAINED THEREFROM**
[54] **COMPOSITION DE POLYURETHANE DURCISSABLE POUR LA PREPARATION D'ARTICLES D'EXTERIEUR, ET ARTICLES OBTENUS AVEC CELLE-CI**
[72] BEISELE, CHRISTIAN, DE
[72] CHEN, HONGYAN, CN
[72] HISHIKAWA, SATORU, JP
[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH
[85] 2018-05-04
[86] 2016-11-07 (PCT/EP2016/076813)
[87] (WO2017/089103)
[30] CN (PCT/CN2015/095284) 2015-11-23

[21] **3,004,372**
[13] A1
[51] **Int.Cl. C07D 409/12 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 239/48 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **PYRIMIDINE DERIVATIVE AND USE THEREOF**
[54] **DERIVE PYRIMIDINE ET SON UTILISATION**
[72] WANG, XUEHAI, CN
[72] XU, YONG, CN
[72] SHENG, XIJUN, CN
[72] ZHANG, XIAOLIN, CN
[72] XIA, HANGUI, CN
[72] YANG, ZHONGWEN, CN
[72] YUE, YANG, CN
[72] HUANG, LU, CN
[72] XIAO, QIANG, CN
[71] HUBEI BIO-PHARMACEUTICAL INDUSTRIAL TECHNOLOGICAL INSTITUTE INC., CN
[71] HUMANWELL HEALTHCARE (GROUP) CO., LTD., CN
[85] 2018-05-04
[86] 2016-11-04 (PCT/CN2016/104723)
[87] (WO2017/076355)
[30] CN (201510744839.0) 2015-11-05
[30] CN (201610404608.X) 2016-06-08
[30] CN (201610675909.6) 2016-08-16

[21] **3,004,373**
[13] A1
[51] **Int.Cl. A23D 7/00 (2006.01) A23D 7/04 (2006.01) A23D 7/05 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING FAT CONTINUOUS EMULSIONS**
[54] **PROCEDE DE PREPARATION D'EMULSION CONTINUE GRASSE**
[72] DE MAN, TEUNIS, NL
[72] MEEUSE, FREDERIK MICHIEL, NL
[71] UNILEVER BCS LIMITED, GB
[85] 2018-05-04
[86] 2016-11-08 (PCT/EP2016/076919)
[87] (WO2017/084909)
[30] EP (15195612.5) 2015-11-20

[21] **3,004,374**
[13] A1
[51] **Int.Cl. G01N 21/64 (2006.01) G01N 1/30 (2006.01)**
[25] EN
[54] **TOMOGRAPHIC IMAGING METHOD**
[54] **METHODE D'IMAGERIE TOMOGRAPHIQUE**
[72] ZENG, SHAOQUN, CN
[72] LUO, QINGMING, CN
[72] XIONG, HANQING, CN
[72] GUO, WENYAN, CN
[72] LV, XIAOHUA, CN
[71] HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[85] 2018-05-04
[86] 2017-10-20 (PCT/CN2017/106964)
[87] (WO2018/077114)
[30] CN (201610967373.5) 2016-10-31

[21] **3,004,375**
[13] A1
[51] **Int.Cl. B04C 5/14 (2006.01) B04C 5/081 (2006.01) B04C 5/15 (2006.01) B04C 5/18 (2006.01) B04C 5/185 (2006.01) B04C 5/26 (2006.01) B04C 9/00 (2006.01)**
[25] EN
[54] **CYCLONE SYSTEM**
[54] **SYSTEME CYCLONIQUE**
[72] BOLTERSDORF, HANS-JOACHIM, DE
[71] BOLTERSDORF, HANS-JOACHIM, DE
[85] 2018-05-04
[86] 2016-11-07 (PCT/DE2016/000388)
[87] (WO2017/076384)
[30] DE (10 2015 014 285.2) 2015-11-06
[30] DE (10 2016 007 548.1) 2016-06-22

[21] **3,004,376**
[13] A1
[51] **Int.Cl. A61C 13/30 (2006.01)**
[25] EN
[54] **INTRARRADICULAR PIN WITH AN ANCHOR SHAPE LOWER END**
[54] **TENON-ANCRE INTRARADICULAIRE**
[72] FELIZ MATOS, LEANDRO EDGARDO, DO
[72] MANCEBO PACHECO, ELVIN ALBERTO, DO
[72] PEREYRA GUERRERO, DULCE CONCEPCION, DO
[71] UNIVERSIDAD IBEROAMERICANA, UNIBE, DO
[71] FELIZ MATOS, LEANDRO EDGARDO, DO
[71] MANCEBO PACHECO, ELVIN ALBERTO, DO
[71] PEREYRA GUERRERO, DULCE CONCEPCION, DO
[85] 2018-05-04
[86] 2016-11-02 (PCT/DO2016/000003)
[87] (WO2017/076417)
[30] DO (P2015-0272) 2015-11-05

[21] **3,004,377**
[13] A1
[51] **Int.Cl. B23C 5/10 (2006.01)**
[25] EN
[54] **MACHINING TOOL**
[54] **OUTIL D'USINAGE PAR ENLEVEMENT DE COPEAUX**
[72] WORMANN, PHILIPP, DE
[72] HERMBUSCHE, GUNTER, DE
[71] ALBERT KNEBEL HOLDING GMBH, DE
[85] 2018-05-04
[86] 2016-11-08 (PCT/EP2016/076955)
[87] (WO2017/080990)
[30] DE (20 2015 106 056.4) 2015-11-10

[21] **3,004,378**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR CHARACTERIZATION OF CELL SPECIFIC MICROVESICLES**
[54] **PROCEDE DE CARACTERISATION DE MICROVESICULES CELLULAIRES SPECIFIQUES**
[72] CONDORELLI, GIANLUIGI, IT
[72] ANSELMO, ACHILLE, IT
[72] VIVIANI ANSELMI, CHIARA, IT
[72] PAPA, LAURA, IT
[71] HUMANITAS MIRASOLE S.P.A., IT
[85] 2018-05-04
[86] 2016-11-07 (PCT/EP2016/076810)
[87] (WO2017/077105)
[30] EP (15193500.4) 2015-11-06

---

[21] **3,004,379**
[13] A1
[51] **Int.Cl. B29C 55/06 (2006.01) B26F 1/26 (2006.01) B32B 3/08 (2006.01) B32B 3/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PERFORATING A FILM OF PLASTIC MATERIAL**
[54] **PROCEDE ET APPAREIL POUR PERFORER UN FILM EN MATIERE PLASTIQUE**
[72] PELLENGO GATTI, ROBERTO, IT
[72] GNAPPA, MAURIZIO, IT
[71] NO.EL. S.R.L., IT
[85] 2018-05-04
[86] 2016-11-08 (PCT/EP2016/076971)
[87] (WO2017/081000)
[30] IT (UB2015A005364) 2015-11-09

---

[21] **3,004,380**
[13] A1
[51] **Int.Cl. C23C 4/02 (2006.01) C23C 4/01 (2016.01)**
[25] EN
[54] **A METHOD FOR MASKING A COMPONENT TO BE COATED WITH A THERMAL SPRAY COATING**
[54] **PROCEDE POUR MASQUER UNE PIECE DEVANT ETRE REVETUE D'UNE COUCHE PULVERISEE A CHAUD**
[72] MICHLA, ALEXANDER, DE
[72] GASTEL, PHILIPP, DE
[72] SOLLBERGER, ALEXANDER, CH
[72] STOCKLI, MARTIN, CH
[71] OERLIKON METCO AG, WOHLEN, CH
[85] 2018-05-04
[86] 2016-11-09 (PCT/EP2016/077167)
[87] (WO2017/081098)
[30] EP (15194293.5) 2015-11-12

---

[21] **3,004,381**
[13] A1
[51] **Int.Cl. A61K 47/08 (2006.01) A61K 31/573 (2006.01) A61K 31/58 (2006.01) A61K 38/38 (2006.01) A61K 39/395 (2006.01) A61K 47/14 (2017.01) A61K 47/34 (2017.01)**
[25] EN
[54] **OCULAR COMPOSITIONS**
[54] **COMPOSITIONS OCULAIRES**
[72] THAKUR, RAGHU RAJ SINGH, GB
[72] JONES, DAVID, GB
[72] GUJRAL, CHIRAG, GB
[71] THE QUEEN'S UNIVERSITY OF BELFAST, GB
[85] 2018-05-04
[86] 2016-11-10 (PCT/EP2016/077269)
[87] (WO2017/081154)
[30] GB (1519811.2) 2015-11-10

---

[21] **3,004,382**
[13] A1
[51] **Int.Cl. A21D 8/02 (2006.01) A23L 7/178 (2016.01) A23P 30/20 (2016.01) A23P 30/34 (2016.01) A21C 1/00 (2006.01) A21C 11/20 (2006.01) A21D 13/00 (2017.01) A21D 13/06 (2017.01)**
[25] EN
[54] **FOAMED, DOUGH-BASED FOOD AND APPARATUS AND METHOD FOR PRODUCTION THEREOF AND USE OF THE APPARATUS**
[54] **MOUSSE DE PRODUIT ALIMENTAIRE A BASE DE PATE AINSI QUE DISPOSITIF ET PROCEDE DE PRODUCTION DE CELUI-CI ET UTILISATION DU DISPOSITIF**
[72] LAMMERS, VOLKER, CH
[72] WINDHAB, ERICH, CH
[71] EIDGENOSSISCHE TECHNISCHE HOCHSCHULE ZURICH, CH
[71] ROLAND MURTEN AG, CH
[85] 2018-05-04
[86] 2016-11-11 (PCT/EP2016/077462)
[87] (WO2017/081271)
[30] DE (10 2015 119 543.7) 2015-11-12
[30] DE (10 2016 111 518.5) 2016-06-23

---

[21] **3,004,383**
[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01) C08K 3/34 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **HIGH FLOW TPO COMPOSITION WITH EXCELLENT LOW TEMPERATURE IMPACT**
[54] **COMPOSITION DE TPO A ECOULEMENT ELEVE PRESENTANT UN EXCELLENT IMPACT A TEMPERATURE BASSE**
[72] GRESTENBERGER, GEORG, AT
[72] SANDHOLZER, MARTINA, AT
[71] BOREALIS AG, AT
[85] 2018-05-04
[86] 2016-11-17 (PCT/EP2016/078025)
[87] (WO2017/085195)
[30] EP (15194956.7) 2015-11-17

[21] **3,004,384**
[13] A1
[51] **Int.Cl. C12P 13/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AMINOBENZOIC ACID OR AN AMINOBENZOIC ACID DERIVATIVE**
[54] **PROCEDE DE PRODUCTION D'ACIDE AMINOBENZOIQUE OU D'UN DERIVE D'ACIDE AMINOBENZOIQUE**
[72] JAGER, GERNOT, DE
[72] BECKMANN, WOLFGANG, DE
[72] MOUSSA, AMGAD-SALAH, DE
[72] OLF, GUENTER, DE
[72] BECKER, GUIDO, DE
[72] AKYILDIZ, HASAN, DE
[72] DAMM, ANDREAS, DE
[72] HAMEDINGER, THOMAS, DE
[72] KLOECKNER, WOLF, DE
[72] BEHNKEN, SWANTJE, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2018-05-04
[86] 2016-11-17 (PCT/EP2016/077963)
[87] (WO2017/085170)
[30] EP (15195527.5) 2015-11-20

---

[21] **3,004,385**
[13] A1
[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/16 (2006.01) C08G 18/44 (2006.01) C08G 18/48 (2006.01)**
[25] EN
[54] **POLYURETHANE FOAMS BASED ON POLYETHER CARBONATE POLYOLS**
[54] **MOUSSES DE POLYURETHANE A BASE DE POLYETHERCARBONATE POLYOLS**
[72] GOSSNER, MATTHAUS, DE
[72] BRASSAT, LUTZ, DE
[72] KLESCZEWSKI, BERT, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2018-05-04
[86] 2016-11-17 (PCT/EP2016/078033)
[87] (WO2017/085201)
[30] EP (15195288.4) 2015-11-19

---

[21] **3,004,386**
[13] A1
[51] **Int.Cl. C07D 249/06 (2006.01) A61P 31/04 (2006.01) B63B 59/04 (2006.01)**
[25] EN
[54] **BIS-TRIAZOLE COMPOUNDS WITH ANTI-BIOFILM AND ANTI-CORROSION PROPERTIES**
[54] **COMPOSES DE BIS-TRIAZOLE PRESENTANT DES PROPRIETES ANTI-BIOFILM ET ANTI-CORROSION**
[72] ANDJOUH, SOFYANE, FR
[72] PERRIN, FRANCOIS-XAVIER, FR
[72] BLACHE, YVES GUY, FR
[71] UNIVERSITE DE TOULON, FR
[85] 2018-05-04
[86] 2016-12-14 (PCT/EP2016/081068)
[87] (WO2017/102883)
[30] IB (PCT/IB2015/002582) 2015-12-14

---

[21] **3,004,387**
[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01)**
[25] EN
[54] **DRIVE ARRANGEMENT**
[54] **AGENCEMENT D'ENTRAINEMENT**
[72] COX, ANTHONY MARTIN, GB
[71] ASG GROUP LTD, GB
[85] 2018-05-04
[86] 2016-11-02 (PCT/GB2016/053398)
[87] (WO2017/085456)
[30] GB (1520249.2) 2015-11-17

---

[21] **3,004,388**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G01J 3/28 (2006.01)**
[25] EN
[54] **A METHOD FOR AERIAL IMAGERY ACQUISITION AND ANALYSIS**
[54] **PROCEDE D'ACQUISITION ET D'ANALYSE D'IMAGERIE AERIENNE**
[72] DVIR, IRA, IL
[72] RABINOWITZ BATZ, NITZAN, IL
[71] AGROWING LTD, IL
[85] 2018-05-04
[86] 2016-11-08 (PCT/IL2016/051205)
[87] (WO2017/077543)
[30] US (62/252,513) 2015-11-08

---

[21] **3,004,389**
[13] A1
[51] **Int.Cl. C09K 11/61 (2006.01)**
[25] FR
[54] **SOL-GEL PROCESS FOR SYNTHESISING A LUMINESCENT MATERIAL WITH GENERAL FORMULATION: AXBYFZ : MN**
[54] **PROCEDE SOL-GEL DE SYNTHESE D'UN MATERIAU LUMINESCENT DE FORMULATION GENERALE : AXBYFZ : MN**
[72] BARROS, ANTHONY, FR
[72] DELONCLE, RODOLPHE, FR
[72] DESCHAMPS, JEROME, FR
[72] CHADEYRON, GENEVIEVE, FR
[72] BOYER, DAMIEN, FR
[72] BOUTINAUD, PHILIPPE, FR
[71] LINXENS HOLDING, FR
[71] UNIVERSITE BLAISE PASCAL CLERMONT II, FR
[71] SIGMA CLERMONT, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2018-05-03
[86] 2016-11-10 (PCT/FR2016/052938)
[87] (WO2017/081428)
[30] FR (1560857) 2015-11-13

---

[21] **3,004,391**
[13] A1
[51] **Int.Cl. C21D 1/00 (2006.01) C22F 1/10 (2006.01)**
[25] FR
[54] **DEVICE FOR GENERATING A STRUCTURAL-GRADIENT MICROSTRUCTURE ON AN AXISYMMETRIC PART**
[54] **DISPOSITIF DE GENERATION D'UNE MICROSTRUCTURE A GRADIENT DE STRUCTURE SUR UNE PIECE AXISYMETRIQUE**
[72] FRANCHET, JEAN-MICHEL PATRICK MAURICE, FR
[72] KLEIN, GILLES CHARLES CASIMIR, FR
[71] SAFRAN, FR
[85] 2018-05-04
[86] 2016-11-04 (PCT/FR2016/052859)
[87] (WO2017/077248)
[30] FR (1560653) 2015-11-06

[21] **3,004,392**
[13] A1
[51] **Int.Cl. A21B 7/00 (2006.01) A21B 5/00 (2006.01) A21C 14/00 (2006.01)**
[25] EN
[54] **AUTOMATED PREPARATION OF BREADS**
[54] **PREPARATION AUTOMATISEE DE PAINS**
[72] AGARWAL, MUKESH, IN
[72] SHARMA, ARVIND KUMAR, IN
[71] AGARWAL, MUKESH, IN
[85] 2018-05-04
[86] 2016-11-04 (PCT/IN2016/050383)
[87] (WO2017/077554)
[30] IN (4231/MUM/2015) 2015-11-06

---

[21] **3,004,393**
[13] A1
[51] **Int.Cl. C01B 3/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR OBTAINING A MIXTURE FOR PRODUCING H2, CORRESPONDING MIXTURE**
[54] **PROCEDE ET APPAREIL POUR OBTENIR UN MELANGE POUR LA PRODUCTION DE H2, MELANGE CORRESPONDANT**
[72] LUGTIGHEID, GERARDUS WILHELMUS, NL
[71] H2FUEL-SYSTEMS B.V., NL
[85] 2018-05-04
[86] 2016-11-07 (PCT/NL2016/050775)
[87] (WO2017/078533)
[30] NL (2015739) 2015-11-06
[30] NL (2016379) 2016-03-07

---

[21] **3,004,394**
[13] A1
[51] **Int.Cl. G01D 5/353 (2006.01) G01B 11/16 (2006.01)**
[25] EN
[54] **OPTOELECTRONIC DISTRIBUTED MEASURING DEVICE BASED ON BRILLOUIN SCATTERING**
[54] **DISPOSITIF OPTOELECTRONIQUE DE MESURE REPARTIE PAR DIFFUSION BRILLOUIN**
[72] LANTICQ, VINCENT, FR
[71] FEBUS OPTICS, FR
[85] 2018-05-04
[86] 2016-11-04 (PCT/FR2016/052870)
[87] (WO2017/077257)
[30] FR (1560681) 2015-11-06

---

[21] **3,004,395**
[13] A1
[51] **Int.Cl. F02B 31/00 (2006.01) F02M 35/10 (2006.01) F02M 35/104 (2006.01) F02M 35/112 (2006.01)**
[25] EN
[54] **AIR INTAKE DEVICE FOR INTERNAL COMBUSTION ENGINE**
[54] **DISPOSITIF D'ADMISSION D'AIR POUR MOTEUR A COMBUSTION INTERNE**
[72] OOKI, OSAMU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-05-04
[86] 2015-11-20 (PCT/JP2015/082655)
[87] (WO2017/085856)

---

[21] **3,004,396**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **TRANSACTION AUTHORISATION**
[54] **AUTORISATION DE TRANSACTION**
[72] GRAHAM, LEWIS, GB
[71] VISA EUROPE LIMITED, GB
[85] 2018-05-04
[86] 2016-11-07 (PCT/GB2016/053465)
[87] (WO2017/077337)
[30] GB (1519676.9) 2015-11-06

---

[21] **3,004,398**
[13] A1
[51] **Int.Cl. A61K 31/155 (2006.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/32 (2006.01) A61P 17/00 (2006.01) A61P 31/02 (2006.01)**
[25] EN
[54] **SKIN DISINFECTANT COMPOSITION**
[54] **COMPOSITION DESINFECTANTE POUR LA PEAU**
[72] SHIOZAKI, MARI, JP
[72] TSUBAKIYAMA, RYOHEI, JP
[72] KIKUCHI, MOTOYA, JP
[72] IMAI, KAORU, JP
[72] HAGI, AKIFUMI, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2018-05-04
[86] 2016-11-30 (PCT/JP2016/005015)
[87] (WO2017/098702)
[30] JP (2015-238403) 2015-12-07

---

[21] **3,004,399**
[13] A1
[51] **Int.Cl. F16C 33/60 (2006.01) F16C 19/18 (2006.01)**
[25] EN
[54] **MULTI-ROW BALL BEARING**
[54] **ROULEMENT A BILLES A RANGEES MULTIPLES**
[72] SAKAGUCHI YUKI, JP
[71] NSK LTD., JP
[85] 2018-05-04
[86] 2016-11-11 (PCT/JP2016/083602)
[87] (WO2017/082421)
[30] JP (2015-223210) 2015-11-13
[30] JP (2016-038899) 2016-03-01

---

[21] **3,004,400**
[13] A1
[51] **Int.Cl. C01B 3/06 (2006.01) C01B 6/17 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING METAL BOROHYDRIDE AND MOLECULAR HYDROGEN**
[54] **PROCEDE DE PRODUCTION DE BOROHYDRURE METALLIQUE ET D'HYDROGENE MOLECULAIRE**
[72] LUGTIGHEID, GERARDUS WILHELMUS, NL
[71] H2FUEL CASCADE B.V., NL
[85] 2018-05-04
[86] 2016-11-07 (PCT/NL2016/050776)
[87] (WO2017/078534)
[30] NL (2015742) 2015-11-06
[30] NL (2016374) 2016-03-07

---

[21] **3,004,402**
[13] A1
[51] **Int.Cl. B62B 3/02 (2006.01) B60D 1/00 (2006.01) B62B 5/00 (2006.01)**
[25] EN
[54] **CONNECTABLE DOLLY**
[54] **CHARIOT POUVANT ETRE RACCORDE**
[72] STAHL, EDWARD L., US
[72] MAY, ERIC P., US
[71] ORBIS CORPORATION, US
[85] 2018-05-04
[86] 2016-11-07 (PCT/US2016/000098)
[87] (WO2017/078753)
[30] US (62/252,256) 2015-11-06
[30] US (62/252,955) 2015-11-09
[30] US (62/275,102) 2016-01-05
[30] US (62/310,495) 2016-03-18
[30] US (62/367,283) 2016-07-27
[30] US (62/375,194) 2016-08-15

[21] **3,004,403**
[13] A1
[51] **Int.Cl. C09K 8/588 (2006.01) C09K 8/58 (2006.01)**
[25] EN
[54] **MODIFIED BIOPOLYMERS FOR DIVERSION, CONFORMANCE, AND FLUID LOSS CONTROL**
[54] **BIOPOLYMERES MODIFIES A DES FINS DE DEVIATION, DE CONFORMITE ET DE REGULATION DES PERTES DE FLUIDE**
[72] BELAKSHE, RAVIKANT S., IN
[72] MEHER, PRATIKSHA SHIVAJI, IN
[72] EOFF, LARRY STEVEN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-04
[86] 2015-12-18 (PCT/US2015/066565)
[87] (WO2017/105475)

[21] **3,004,404**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **ROTARY CUTTER FOR PREPARING THE ACETABULAR SOCKET FOR A HIP IMPLANT**
[54] **OUTIL DE COUPE ROTATIF POUR PREPARER LA CAVITE ACETABULAIRE POUR IMPLANT DE HANCHE**
[72] WOZENCROFT, ROBERT, GB
[71] EMBODY ORTHOPAEDIC LIMITED, GB
[85] 2018-05-04
[86] 2016-11-07 (PCT/GB2016/053474)
[87] (WO2017/077340)
[30] GB (1519624.9) 2015-11-06

[21] **3,004,405**
[13] A1
[51] **Int.Cl. H04W 24/10 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR CONFIGURATION OF MEASUREMENT RESTRICTIONS**
[54] **PROCEDES ET APPAREILS DE CONFIGURATION DE RESTRICTIONS DE MESURE**
[72] FRENNE, MATTIAS, SE
[72] HARRISON, ROBERT MARK, US
[72] GAO, SHIWEI, CA
[72] MURUGANATHAN, SIVA, CA
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-05-04
[86] 2016-11-03 (PCT/SE2016/051081)
[87] (WO2017/078601)
[30] US (62/250,607) 2015-11-04

[21] **3,004,406**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **HOLDER FOR RESURFACING HEAD IMPLANT**
[54] **SUPPORT POUR IMPLANT DE RESURFACAGE DE TETE**
[72] WOZENCROFT, ROBERT, GB
[71] EMBODY ORTHOPAEDIC LIMITED, GB
[85] 2018-05-04
[86] 2016-11-07 (PCT/GB2016/053476)
[87] (WO2017/077342)
[30] GB (1519629.8) 2015-11-06

[21] **3,004,407**
[13] A1
[51] **Int.Cl. B60G 13/00 (2006.01) B60G 13/14 (2006.01) B60K 25/10 (2006.01) F03B 13/00 (2006.01) F03G 7/00 (2006.01) F03G 7/08 (2006.01) F15B 1/027 (2006.01) F16F 15/023 (2006.01)**
[25] EN
[54] **VEHICLE COMPRISING ENERGY HARVESTING SUSPENSION SYSTEM, AND METHOD FOR CONVERTING MECHANICAL ENERGY INTO ELECTRICAL ENERGY**
[54] **VEHICULE COMPRENANT UN SYSTEME DE SUSPENSION A COLLECTE D'ENERGIE, ET PROCEDE DE CONVERSION D'ENERGIE MECANIQUE EN ENERGIE ELECTRIQUE**
[72] KASKOWICZ, MATTHEW ALAN, US
[71] KASKOWICZ, MATTHEW ALAN, US
[85] 2018-05-04
[86] 2016-11-07 (PCT/US2016/000106)
[87] (WO2017/078760)
[30] US (62/252,046) 2015-11-06

[21] **3,004,408**
[13] A1
[51] **Int.Cl. A61B 3/103 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MAKING A DETERMINATION ABOUT AN EYE IN AMBIENT LIGHTING CONDITIONS**
[54] **PROCEDES ET APPAREIL PERMETTANT D'EFFECTUER UNE DETERMINATION CONCERNANT UN □IL DANS DES CONDITIONS D'ECLAIRAGE AMBIANT**
[72] BAILEY, MELISSA D., US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2018-05-04
[86] 2015-11-06 (PCT/US2015/059529)
[87] (WO2016/073887)
[30] US (62/076,804) 2014-11-07

[21] **3,004,409**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01)**
[25] EN
[54] **ROTARY CUTTER FOR PREPARING THE FEMUR BONE FOR A RESURFACING HIP IMPLANT**
[54] **COUTEAU ROTATIF POUR PREPARER LE FEMUR POUR UN IMPLANT DE HANCHE DE RESURFACAGE**
[72] WOZENCROFT, ROBERT, GB
[71] EMBODY ORTHOPAEDIC LIMITED, GB
[85] 2018-05-04
[86] 2016-11-07 (PCT/GB2016/053478)
[87] (WO2017/077344)
[30] GB (1519630.6) 2015-11-06

---

[21] **3,004,410**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **DELIVERY MANAGEMENT SYSTEMS AND METHODS FOR ZERO-INVENTORY DISTRIBUTION**
[54] **SYSTEMES ET PROCEDES DE GESTION DE LIVRAISON POUR DISTRIBUTION POUR LA DISTRIBUTION SANS INVENTAIRE**
[72] LADDEN, DOUGLAS M., US
[72] MERIANS, RICHARD, US
[72] ANAVIM, ORI, US
[71] DELIVERIGHT LOGISTICS, INC., US
[85] 2018-05-04
[86] 2015-11-20 (PCT/US2015/061748)
[87] (WO2016/081794)
[30] US (62/082,961) 2014-11-21

---

[21] **3,004,411**
[13] A1
[51] **Int.Cl. B41F 7/20 (2006.01) B41F 7/02 (2006.01) B41M 1/06 (2006.01) B41M 1/14 (2006.01) B41M 1/40 (2006.01)**
[25] EN
[54] **PRODUCING ARTICLES WITH MULTIPLE COLOR INKS**
[54] **PRODUCTION D'ARTICLES AVEC DE MULTIPLES ENCRES COLOREES**
[72] LINEBERRY, ALLEN, US
[71] THE COCA-COLA COMPANY, US
[85] 2018-05-04
[86] 2016-11-07 (PCT/US2016/000111)
[87] (WO2017/078764)
[30] US (62/251,753) 2015-11-06

---

[21] **3,004,412**
[13] A1
[51] **Int.Cl. F02C 7/055 (2006.01) B64D 33/02 (2006.01)**
[25] EN
[54] **AIRPLANE ENGINE BIRD STRIKE PROTECTION GUARD**
[54] **CAPOT DE PROTECTION CONTRE LES IMPACTS D'OISEAUX POUR MOTEUR D'AERONEF**
[72] BOATENG, WILLIAM BEKOE, US
[71] BOATENG, WILLIAM BEKOE, US
[85] 2018-05-04
[86] 2016-07-07 (PCT/US2016/041278)
[87] (WO2017/078805)
[30] US (14/934,974) 2015-11-06

---

[21] **3,004,413**
[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 43/12 (2006.01) G01V 3/18 (2006.01)**
[25] EN
[54] **ELECTRICAL IMPEDANCE TOMOGRAPHY USING A SWITCHABLE ARRAY**
[54] **TOMOGRAPHIE A IMPEDANCE ELECTRIQUE UTILISANT UN RESEAU COMMUTABLE**
[72] HUANG, WEI HSUAN, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-04
[86] 2015-12-16 (PCT/US2015/066063)
[87] (WO2017/105432)

---

[21] **3,004,414**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR EVALUATING THE POTENTIAL EFFECTIVENESS OF REFRACING A WELL**
[54] **PROCEDE ET APPAREIL POUR L'EVALUATION DE L'EFFICACITE POTENTIELLE DE REFRACTURATION D'UN PUITS**
[72] JACKSON, WILLIAM J., US
[72] REISSIG, ERIK J., US
[72] MILLER, JAMES L., US
[71] TECH FLO CONSULTING, LLC, US
[85] 2018-05-04
[86] 2016-07-12 (PCT/US2016/041912)
[87] (WO2017/030681)
[30] US (14/829,602) 2015-08-18

---

[21] **3,004,415**
[13] A1
[51] **Int.Cl. F25J 3/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING SUPPLEMENTAL REFRIGERATION TO AN AIR SEPARATION PLANT**
[54] **PROCEDE ET SYSTEME D'APPORT DE REFRIGERATION SUPPLEMENTAIRE A UNE INSTALLATION DE SEPARATION D'AIR**
[72] SARIGIANNIS, CATHERINE B., US
[72] KNIGHT, ANNA, US
[72] JUANDI, EVELYN, CA
[72] ZHANG, WEI, CA
[72] RAUCH, JEREMIAH J., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2018-05-04
[86] 2016-10-18 (PCT/US2016/057465)
[87] (WO2017/083062)
[30] US (14/935,680) 2015-11-09

---

[21] **3,004,417**
[13] A1
[51] **Int.Cl. C10M 169/04 (2006.01)**
[25] EN
[54] **LOW VISCOSITY GEAR LUBRICANTS**
[54] **LUBRIFIANT D'ENGRENAGE A FAIBLE VISCOSITE**
[72] PATTERSON, SUZANNE, US
[72] BARTON, WILLIAM R.S., GB
[72] BROWN, GARETH, GB
[71] THE LUBRIZOL CORPORATION, US
[85] 2018-05-04
[86] 2016-10-27 (PCT/US2016/059009)
[87] (WO2017/079017)
[30] US (62/251,886) 2015-11-06

[21] **3,004,418**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM, AND METHOD FOR TRANSCATHETER TREATMENT OF VALVULAR REGURGITATION**
[54] **DISPOSITIF, SYSTEME ET PROCEDE POUR LE TRAITEMENT, PAR TRANSCATHETER, D'UNE REGURGITATION VALVULAIRE**
[72] KHAIRKHAHAN, ALEXANDER K., US
[71] MIDDLE PEAK MEDICAL, INC., US
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060094)
[87] (WO2017/079279)
[30] US (62/252,336) 2015-11-06
[30] US (15/153,480) 2016-05-12

---

[21] **3,004,419**
[13] A1
[51] **Int.Cl. B64B 1/58 (2006.01) B64B 1/06 (2006.01) B64B 1/60 (2006.01) B64B 1/62 (2006.01)**
[25] EN
[54] **LIGHTER-THAN-AIR PLATFORM**
[54] **PLATEFORME PLUS LEGERE QUE L'AIR**
[72] MICHAELIS, MAX G., IV, US
[72] BENNETT, JOHN H. H., US
[71] SKYCOM CORPORATION, US
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060146)
[87] (WO2017/105657)
[30] US (14/971,651) 2015-12-16

---

[21] **3,004,420**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED METHODS AND SYSTEMS FOR IDENTIFYING PRODUCTS PURCHASED BY INDIVIDUAL CUSTOMERS AT DIFFERENT MERCHANTS**
[54] **PROCEDES ET SYSTEMES MIS EN □UVRE PAR ORDINATEUR POUR IDENTIFIER DES PRODUITS ACHETES PAR DES CONSOMMATEURS INDIVIDUELS CHEZ DIFFERENTS COMMERCANTS**
[72] MODI, ROHIT, IN
[72] GUPTA, ASHUTOSH KUMAR, IN
[72] PRAKASH, MAYANK, IN
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060003)
[87] (WO2017/079208)
[30] SG (10201509207T) 2015-11-06

---

[21] **3,004,421**
[13] A1
[51] **Int.Cl. A01K 67/027 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **AN EFFICIENT, SCALABLE PATIENT-DERIVED XENOGRAFT SYSTEM BASED ON A CHICK CHORIOALLANTOIC MEMBRANE (CAM) IN VIVO MODEL**
[54] **SYSTEME DE XENOGREFFE EFFICACE, MODULABLE DERIVE DU PATIENT BASE SUR UNE □ MEMBRANE CHORIOALLANTOIQUE DE POUSSIN (CAM) DANS UN MODELE IN VIVO**
[72] SIKORA, ANDREW G., US
[72] PATHAK, RAVI, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060664)
[87] (WO2017/079646)
[30] US (62/251,404) 2015-11-05

---

[21] **3,004,422**
[13] A1
[51] **Int.Cl. C12N 7/04 (2006.01) A61K 39/12 (2006.01) C07K 14/005 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DENGUE VIRUS VACCINES AND DIAGNOSTICS**
[54] **PROCEDES ET COMPOSITIONS POUR DES VACCINS CONTRE LE VIRUS DE LA DENGUE ET DES DIAGNOSTIQUES**
[72] METZ, STEFAN, US
[72] DESILVA, ARAVINDA, US
[72] MILEY, MICHAEL, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2018-05-04
[86] 2016-09-20 (PCT/US2016/052706)
[87] (WO2017/062174)
[30] US (62/238,496) 2015-10-07

---

[21] **3,004,423**
[13] A1
[51] **Int.Cl. G06Q 20/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR USE OF A BLOCKCHAIN IN A TRANSACTION PROCESSING NETWORK**
[54] **PROCEDE ET SYSTEME D'UTILISATION D'UNE CHAINE DE BLOCS DANS UN RESEAU DE TRAITEMENT DE TRANSACTIONS**
[72] KENNEDY, DENNIS M., US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060012)
[87] (WO2017/079214)
[30] US (14/933,506) 2015-11-05

[21] **3,004,424**
[13] A1
[51] **Int.Cl. G06Q 20/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROCESSING OF A BLOCKCHAIN TRANSACTION IN A TRANSACTION PROCESSING NETWORK**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT D'UNE TRANSACTION BLOCKCHAIN DANS UN RESEAU DE TRAITEMENT DE TRANSACTIONS**
[72] KENNEDY, DENNIS M., US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060017)
[87] (WO2017/079218)
[30] US (14/933,572) 2015-11-05

---

[21] **3,004,425**
[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01) A61B 17/00 (2006.01) A61B 18/00 (2006.01) A61B 18/20 (2006.01) A61K 39/00 (2006.01) A61N 5/067 (2006.01) A61N 7/02 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CANCER BY ENHANCING INTRATUMORAL IMMUNE RESPONSE**
[54] **METHODES DE TRAITEMENT DU CANCER PAR RENFORCEMENT DE LA REPONSE IMMUNITAIRE INTRATUMORALE**
[72] FISHER, DAVID E., US
[72] LO, JENNIFER A., US
[72] MANSTEIN, DIETER, US
[72] KAWAKUBO, MASAYOSHI, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2018-05-04
[86] 2016-11-03 (PCT/US2016/060321)
[87] (WO2017/079431)
[30] US (62/251,336) 2015-11-05

---

[21] **3,004,428**
[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 23/00 (2006.01) E21B 34/00 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **CIRCULATION SUBASSEMBLY**
[54] **SOUS-ENSEMBLE DE CIRCULATION**
[72] HARDY, JAMES, GB
[72] BOOTH, MARK, GB
[72] OLLERENSHAW, ANDREW, GB
[72] HUNTER, GORDON, GB
[71] INTELLIGENT DRILLING TOOLS LIMITED, GB
[85] 2018-05-04
[86] 2016-11-07 (PCT/GB2016/053479)
[87] (WO2017/077345)
[30] GB (1519684.3) 2015-11-06
[30] GB (1613332.4) 2016-08-02

---

[21] **3,004,429**
[13] A1
[51] **Int.Cl. C02F 11/18 (2006.01) C02F 11/10 (2006.01)**
[25] EN
[54] **SYSTEM FOR HYDROTHERMAL TREATMENT OF WET BIOMASS**
[54] **SYSTEME DE TRAITEMENT HYDROTHERMIQUE DE BIOMASSE HUMIDE**
[72] CORONELLA, CHARLES J., US
[71] BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO, US
[85] 2018-05-04
[86] 2016-11-10 (PCT/US2016/061367)
[87] (WO2017/083544)
[30] US (62/253,436) 2015-11-10

---

[21] **3,004,430**
[13] A1
[51] **Int.Cl. E04B 1/61 (2006.01) E04B 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, APPARATUS, AND COMPOSITIONS FOR BUILDING MATERIALS AND CONSTRUCTION**
[54] **SYSTEMES, PROCEDES, APPAREIL ET COMPOSITIONS POUR MATERIAUX DE CONSTRUCTION ET CONSTRUCTION**
[72] HODSON, SIMON, US
[72] HODSON, JONATHAN, US
[71] FENIX ADVANCED TECHNOLOGIES, LIMITED, CN
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060070)
[87] (WO2017/079259)
[30] US (62/251,022) 2015-11-04
[30] US (62/271,937) 2015-12-28
[30] US (62/292,080) 2016-02-05
[30] US (15/339,375) 2016-10-31

---

[21] **3,004,434**
[13] A1
[51] **Int.Cl. A47L 15/42 (2006.01)**
[25] EN
[54] **ACOUSTICALLY INSULATED MACHINE**
[54] **MACHINE ISOLEE ACOUSTIQUEMENT**
[72] ROCKWELL, ANTHONY LEE, US
[72] JOHNSON, PHILLIP J., US
[72] TILTON, JEFFREY A., US
[72] HILL, DONALD, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060439)
[87] (WO2017/079501)
[30] US (62/251,914) 2015-11-06

[21] **3,004,435**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/10 (2006.01)**
[25] EN
[54] **HIGH EFFICIENCY CONSTRUCTION OF DNA LIBRARIES**
[54] **CONSTRUCTION HAUTE EFFICACITE DE BANQUES D'ADN**
[72] RAYMOND, CHRISTOPHER K., US
[72] LIM, LEE P., US
[71] RESOLUTION BIOSCIENCE, INC., US
[85] 2018-05-04
[86] 2016-11-10 (PCT/US2016/061395)
[87] (WO2017/083562)
[30] US (62/254,110) 2015-11-11

[21] **3,004,438**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **GLYPICAN 2 AS A CANCER MARKER AND THERAPEUTIC TARGET**
[54] **GLYPICANE 2 A UTILISER EN TANT QUE MARQUEUR CANCEREUX ET CIBLE THERAPEUTIQUE**
[72] MARIS, JOHN M., US
[72] BOSSE, KRISTOPHER R., US
[72] DIMITROV, DIMITER, US
[72] ZHU, ZHONGYU, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRTARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2018-05-04
[86] 2016-11-08 (PCT/US2016/060974)
[87] (WO2017/083296)
[30] US (62/253,000) 2015-11-09
[30] US (62/350,976) 2016-06-16

[21] **3,004,440**
[13] A1
[51] **Int.Cl. A01C 7/04 (2006.01) A01C 19/02 (2006.01) A01C 21/00 (2006.01)**
[25] EN
[54] **MULTIPLE AGRICULTURAL PRODUCT APPLICATION METHOD AND SYSTEMS**
[54] **PROCEDE ET SYSTEMES D'APPLICATION DE MULTIPLES PRODUITS AGRICOLES**
[72] WILHELMI, MATTHEW, US
[72] HAHN, DUSTAN, US
[71] KINZE MANUFACTURING, INC., US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060458)
[87] (WO2017/079515)
[30] US (62/252,168) 2015-11-06

[21] **3,004,442**
[13] A1
[51] **Int.Cl. G05D 1/02 (2006.01)**
[25] EN
[54] **RAPIDLY-EXPLORING RANDOMIZING FEEDBACK-BASED MOTION PLANNING**
[54] **PLANIFICATION DE MOUVEMENTS BASEE SUR UN RETOUR DE RANDOMISATION D'EXPLORATION RAPIDE**
[72] AGARWAL, SAURAV, US
[72] AGHAMOHAMMADI, ALIAKBAR, US
[72] SOMASUNDARAM, KIRAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-04
[86] 2016-11-10 (PCT/US2016/061426)
[87] (WO2017/099939)
[30] US (62/265,238) 2015-12-09
[30] US (15/192,881) 2016-06-24

[21] **3,004,443**
[13] A1
[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01) A61F 5/448 (2006.01) A61F 5/449 (2006.01)**
[25] EN
[54] **OSTOMY DEVICE, APPARATUS, AND SYSTEM**
[54] **DISPOSITIF, APPAREIL ET SYSTEME DE STOMIE**
[72] CESA, JOSEPH A., US
[72] GRIFFITH, NATHAN C., US
[72] TARCAU, BENONE, US
[72] ZACHA, JAMES, US
[72] MCMICHAEL, DONALD, US
[71] AVENT, INC., US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060483)
[87] (WO2017/079532)
[30] US (62/251,746) 2015-11-06

[21] **3,004,444**
[13] A1
[51] **Int.Cl. C07J 41/00 (2006.01) A61K 31/573 (2006.01) A61P 5/44 (2006.01)**
[25] EN
[54] **POLYETHYLENE GLYCOL-CONJUGATED GLUCOCORTICOID PRODRUGS AND COMPOSITIONS AND METHODS THEREOF**
[54] **PROMEDICAMENTS GLUCOCORTICOIDES CONJUGUES A DU POLYETHYLENE GLYCOL ET COMPOSITIONS ET METHODES ASSOCIEES**
[72] WANG, DONG, US
[72] YUAN, FANG, US
[72] JIA, ZHENSHAN, US
[72] WANG, XIAOBEI, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[85] 2018-05-04
[86] 2016-11-12 (PCT/US2016/061728)
[87] (WO2017/083794)
[30] US (62/254,512) 2015-11-12

[21] **3,004,445**
[13] A1
[51] **Int.Cl. A61B 5/087 (2006.01) A61B 5/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MEASURING AIRWAY RESISTANCE AND LUNG COMPLIANCE**
[54] **PROCEDE ET APPAREIL DE MESURE DE LA RESISTANCE DES VOIES RESPIRATOIRES ET DE LA COMPLIANCE PULMONAIRE**
[72] GRUDIN, OLEG, CA
[72] LOPATA, VICTOR, UA
[71] SPIRO-TECH MEDICAL INC., CA
[85] 2018-05-03
[86] 2014-11-06 (PCT/CA2014/051073)
[87] (WO2015/066812)

[21] **3,004,447**
[13] A1
[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01) A61F 5/448 (2006.01) A61F 5/449 (2006.01)**
[25] EN
[54] **OSTOMY DEVICE, APPARATUS, AND SYSTEM**
[54] **DISPOSITIF, APPAREIL ET SYSTEME DE STOMIE**
[72] CESA, JOSEPH A., US
[72] GRIFFITH, NATHAN C., US
[72] TARCAU, BENONE, US
[72] ZACHA, JAMES, US
[72] MCMICHAEL, DONALD, US
[71] AVENT, INC., US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060487)
[87] (WO2017/079533)
[30] US (62/251,746) 2015-11-06

[21] **3,004,448**
[13] A1
[51] **Int.Cl. A61K 31/4747 (2006.01)**
[25] EN
[54] **ION CHANNEL INHIBITORY COMPOUNDS, PHARMACEUTICAL FORMULATIONS AND USES**
[54] **COMPOSES INHIBITEURS DE CANAUX IONIQUES, FORMULATIONS PHARMACEUTIQUES, ET UTILISATIONS**
[72] XIE, XINMIN, US
[72] KAYSER, FRANK, US
[71] AFASCI, INC., US
[85] 2018-05-04
[86] 2016-11-14 (PCT/US2016/061918)
[87] (WO2017/083867)
[30] US (62/254,564) 2015-11-12

[21] **3,004,452**
[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01) G01S 19/45 (2010.01) G06Q 10/08 (2012.01) G01C 23/00 (2006.01)**
[25] EN
[54] **COOPERATIVE SYSTEM AND METHOD FOR PRECISE AUTONOMOUS DELIVERY**
[54] **SYSTEME ET PROCEDE COOPERATIFS POUR LIVRAISON AUTONOME PRECISE**
[72] HETTICH, RONALD, US
[72] COGLIANDRO, JOHN, US
[72] ZWILLINGER, DANIEL, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2018-05-03
[86] 2016-10-23 (PCT/IB2016/056363)
[87] (WO2017/077416)
[30] US (14/934,025) 2015-11-05

[21] **3,004,453**
[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61P 13/10 (2006.01)**
[25] EN
[54] **BOTULINUM TOXIN ADMINISTRATION FOR TREATMENT OF NEUROGENIC DETRUSOR OVERACTIVITY ASSOCIATED URINARY INCONTINENCE**
[54] **ADMINISTRATION DE TOXINE BOTULINIQUE POUR LE TRAITEMENT DE L'INCONTINENCE URINAIRE ASSOCIEE A L'HYPERACTIVITE NEUROGENE DU DETRUSOR**
[72] HAAG-MOLKENTELLER, CORNELIA C., US
[72] JENKINS, BRENDA, US
[71] ALLERGAN, INC., US
[85] 2018-05-04
[86] 2016-11-17 (PCT/US2016/062539)
[87] (WO2017/087677)
[30] US (62/256,551) 2015-11-17

[21] **3,004,454**
[13] A1
[51] **Int.Cl. B62D 21/15 (2006.01) B62D 25/08 (2006.01) B62D 25/20 (2006.01)**
[25] EN
[54] **VEHICLE REAR BODY STRUCTURE AND METHOD FOR MANUFACTURING THEREOF**
[54] **STRUCTURE DE CARROSSERIE ARRIERE DE VEHICULE ET SON PROCEDE DE FABRICATION**
[72] VIAUX, IVAN, FR
[71] ARCELORMITTAL, LU
[85] 2018-05-04
[86] 2015-12-09 (PCT/IB2015/059487)
[87] (WO2017/098306)

[21] **3,004,456**
[13] A1
[51] **Int.Cl. B29C 70/08 (2006.01) B29B 15/10 (2006.01) B29C 70/00 (2006.01) B29C 70/06 (2006.01) B32B 27/00 (2006.01) B32B 27/12 (2006.01)**
[25] EN
[54] **STRUCTURAL COMPOSITION AND METHOD**
[54] **COMPOSITION STRUCTURALE ET PROCEDE**
[72] GREEN, GUERRY E., US
[72] KRONBERG, JAMES W., US
[71] MARHAYGUE, LLC, US
[85] 2018-05-04
[86] 2016-11-17 (PCT/US2016/062451)
[87] (WO2017/087623)
[30] US (62/256,513) 2015-11-17

---

[21] **3,004,458**
[13] A1
[51] **Int.Cl. A61K 49/08 (2006.01) A61K 41/00 (2006.01) A61K 49/10 (2006.01) A61P 35/00 (2006.01) C07F 9/09 (2006.01) G01N 33/574 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **LONG-LIVED GADOLINIUM BASED TUMOR TARGETED IMAGING AND THERAPY AGENTS**
[54] **AGENTS A DUREE DE VIE LONGUE A BASE DE GADOLINIUM CAPABLES DE CIBLER DES TUMEURS, DESTINES A L'IMAGERIE ET A LA THERAPIE**
[72] WEICHERT, JAMEY, US
[72] PINCHUK, ANATOLY, US
[72] TOME, WOLFGANG, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060491)
[87] (WO2017/079535)
[30] US (62/252,218) 2015-11-06

---

[21] **3,004,459**
[13] A1
[51] **Int.Cl. C07C 7/12 (2006.01) B01D 15/00 (2006.01)**
[25] EN
[54] **TWO-BED PARAFFIN TO OLEFIN ENHANCEMENT PROCESS**
[54] **PROCEDE DE TRANSFORMATION DE PARAFFINE EN OLEFINE A DEUX LITS**
[72] LUEBKE, CHARLES P., US
[72] WANG, ZHENG, US
[72] GORAWARA, JAYANT K., US
[72] SOHN, STEPHEN W., US
[71] UOP LLC, US
[85] 2018-05-04
[86] 2016-11-16 (PCT/US2016/062147)
[87] (WO2017/099960)
[30] US (62/264,040) 2015-12-07

---

[21] **3,004,461**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01) A61M 1/34 (2006.01)**
[25] EN
[54] **CONFIGURING A USER INTERFACE OF A DIALYSIS MACHINE**
[54] **CONFIGURATION D'UNE INTERFACE UTILISATEUR D'UNE MACHINE DE DIALYSE**
[72] YUDS, DAVID, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2018-05-04
[86] 2016-11-22 (PCT/US2016/063378)
[87] (WO2017/099998)
[30] US (14/963,704) 2015-12-09

---

[21] **3,004,462**
[13] A1
[51] **Int.Cl. A47J 31/40 (2006.01) A47J 31/44 (2006.01) B65D 85/804 (2006.01) B67D 1/14 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSER SYSTEMS AND METHODS**
[54] **SYSTEMES DE DISTRIBUTEUR DE BOISSON ET PROCEDES**
[72] NACHAWATI, MAHER, US
[71] PEPSICO, INC., US
[85] 2018-05-04
[86] 2016-11-18 (PCT/US2016/062891)
[87] (WO2017/087874)
[30] US (14/947,636) 2015-11-20

---

[21] **3,004,463**
[13] A1
[51] **Int.Cl. A61L 15/28 (2006.01)**
[25] EN
[54] **ABSORBENT STRUCTURE**
[54] **STRUCTURE ABSORBANTE**
[72] BEWICK-SONNTAG, CHRISTOPHER PHILIP, US
[72] CARLA, VITO, US
[72] HUBBARD, WADE MONROE, JR., US
[72] HAMMONS, JOHN LEE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060568)
[87] (WO2017/079586)
[30] US (62/251,057) 2015-11-04

---

[21] **3,004,465**
[13] A1
[51] **Int.Cl. A61K 31/568 (2006.01) A61K 9/00 (2006.01) A61K 31/47 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **PHEROMONE COMPOSITION TO STIMULATE REPRODUCTION IN FEMALE SUIDS AND METHODS OF USE**
[54] **COMPOSITION DE PHEROMONE POUR STIMULER LA REPRODUCTION CHEZ DES FEMELLES SUIDES ET PROCEDES D'UTILISATION**
[72] MCGLONE, JOHN J., US
[71] TEXAS TECH UNIVERSITY SYSTEM, US
[85] 2018-05-04
[86] 2016-11-16 (PCT/US2016/062199)
[87] (WO2017/087468)
[30] US (14/943,607) 2015-11-17

---

[21] **3,004,466**
[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01) E21D 11/15 (2006.01)**
[25] EN
[54] **MESH SUPPORTING ROCK ANCHOR**
[54] **ANCRE DE ROCHE SUPPORTANT UN TREILLIS**
[72] CROMPTON, BRENDAN ROBERT, ZA
[72] HERBERT, RHYS, ZA
[71] NCM INNOVATIONS (PVT) LTD, ZA
[85] 2018-05-04
[86] 2016-12-07 (PCT/ZA2016/000032)
[87] (WO2017/100806)
[30] ZA (2015/09000) 2015-12-10

[21] **3,004,467**
[13] A1
[51] **Int.Cl. G06Q 20/42 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06F 21/33 (2013.01) G06F 21/43 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHOD FOR AUTHENTICATING AND AUTHORISING A TRANSACTION USING A PORTABLE DEVICE**
[54] **PROCEDE POUR AUTHENTIFIER ET AUTORISER UNE TRANSACTION A L'AIDE D'UN DISPOSITIF PORTABLE**
[72] GLENDENNING, CRAIG, AU
[72] MCAULEY, MICHAEL, AU
[71] BLUECHAIN PTY LTD, AU
[85] 2018-05-07
[86] 2016-09-29 (PCT/AU2016/050919)
[87] (WO2017/054050)
[30] AU (2015903975) 2015-09-30

---

[21] **3,004,468**
[13] A1
[51] **Int.Cl. A61K 8/64 (2006.01) A61Q 15/00 (2006.01)**
[25] EN
[54] **MUCIN TOPICAL DEODORANTS AND ANTIPERSPIRANTS**
[54] **DEODORANTS ET ANTITRANSPIRANTS TOPIQUES CONTENANT UNE MUCINE**
[72] HANNEL BUELONI, RENATA, BR
[72] ROESLER, ROBERTA, BR
[72] PANZARIN SAVIETTO, JOICE, BR
[71] NATURA COSMETICOS S.A., BR
[85] 2018-05-07
[86] 2016-11-07 (PCT/BR2016/050284)
[87] (WO2017/075684)
[30] US (62/251,420) 2015-11-05

---

[21] **3,004,469**
[13] A1
[51] **Int.Cl. G01N 33/577 (2006.01) G01N 21/31 (2006.01) G01N 21/78 (2006.01) G01N 33/551 (2006.01)**
[25] EN
[54] **METHIONINE ADENOSYLTRANSFERASE (MAT) BIOLOGICAL ACTIVITY ASSAY AND DETECTION KIT**
[54] **PROCEDE DE DOSAGE DE L'ACTIVITE BIOLOGIQUE DE LA METHIONINE ADENOSYLTRANSFERASE ET KIT DE REACTIFS**
[72] HAO, XIUJUAN, CN
[72] LI, HUIJUN, CN
[72] ZHOU, MIN, CN
[71] HUNAN SKYWORLD BIOTECHNOLOGIES CO., CN
[85] 2018-05-04
[86] 2016-11-06 (PCT/IB2016/056666)
[87] (WO2017/077509)
[30] CN (201510755262.3) 2015-11-07

---

[21] **3,004,470**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DISPATCHING AN AIRBORNE DRONE TO CARRY AN ITEM TO A CUSTOMER**
[54] **PROCEDE ET APPAREIL POUR EXPEDIER UN DRONE AEROPORTE AFIN DE TRANSPORTER UN ARTICLE A DESTINATION D'UN CLIENT**
[72] HIGH, DONALD R., US
[72] THOMPSON, JOHN P., US
[72] ATCHLEY, MICHAEL D., US
[72] NATARAJAN, CHANDRASHEKAR, US
[71] WALMART APOLLO, LLC, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060569)
[87] (WO2017/079587)
[30] US (62/252,075) 2015-11-06

---

[21] **3,004,471**
[13] A1
[51] **Int.Cl. E21B 17/02 (2006.01) E21B 10/02 (2006.01) E21B 25/00 (2006.01) F16D 1/10 (2006.01) F16L 37/08 (2006.01)**
[25] EN
[54] **A CONNECTION DEVICE**
[54] **UN DISPOSITIF DE RACCORDEMENT**
[72] ATTIWELL, PAUL, AU
[71] SWICK MINING SERVICES LTD, AU
[85] 2018-05-07
[86] 2016-11-10 (PCT/AU2016/051081)
[87] (WO2017/079801)
[30] AU (2015904625) 2015-11-10

---

[21] **3,004,472**
[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) C09K 11/06 (2006.01) H01L 31/055 (2014.01)**
[25] EN
[54] **DISUBSTITUTED DIARYLOXYBENZOHETERODIAZOLE COMPOUNDS**
[54] **COMPOSE DE DIARYLOXYBENZOHETERODIAZOLE DISUBSTITUE**
[72] SCHIMPERNA, GIULIANA, IT
[72] PROTO, ANTONIO ALFONSO, IT
[71] ENI S.P.A., IT
[85] 2018-05-04
[86] 2016-11-11 (PCT/IB2016/056793)
[87] (WO2017/081645)
[30] IT (102015000072291) 2015-11-13

---

[21] **3,004,473**
[13] A1
[51] **Int.Cl. H01B 7/04 (2006.01) H01B 7/28 (2006.01) C23C 2/12 (2006.01) H01B 7/22 (2006.01)**
[25] EN
[54] **ELECTRIC CABLE WITH CORROSION RESISTANT ARMOR**
[54] **CABLE ELECTRIQUE A ARMURE RESISTANT A LA CORROSION**
[72] FALLAHMOHAMMADI, EHSAN, IT
[72] CASIRAGHI, FLAVIO, IT
[71] PRYSMIAN S.P.A., IT
[85] 2018-05-07
[86] 2015-11-13 (PCT/EP2015/076580)
[87] (WO2017/080621)

[21] **3,004,474**
[13] A1
[51] **Int.Cl. B26B 21/40 (2006.01) B26B 21/22 (2006.01)**
[25] EN
[54] **SHAVING RAZORS AND SHAVING CARTRIDGES**
[54] **RASOIRS ET CARTOUCHES DE RASAGE**
[72] BOZIKIS, IOANNIS, GR
[72] GRATSIAS, SPIROS, GR
[72] BRESILIS, CHRISTOFOROS - ATHANASIOS, GR
[71] BIC-VIOLEX SA, GR
[85] 2018-05-07
[86] 2015-12-10 (PCT/EP2015/079316)
[87] (WO2017/092836)
[30] US (62261389) 2015-12-01

---

[21] **3,004,475**
[13] A1
[51] **Int.Cl. B64C 13/18 (2006.01) H04W 88/02 (2009.01) B64C 39/02 (2006.01) G05D 1/10 (2006.01) G06F 3/00 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **HOVER ATTACHMENT FOR MOBILE DEVICE**
[54] **ACCESSOIRE DE VOL STATIONNAIRE POUR DISPOSITIF MOBILE**
[72] RAHNAMA, HOSSEIN, CA
[71] RAHNAMA, HOSSEIN, CA
[85] 2018-05-07
[86] 2016-03-24 (PCT/CA2016/050352)
[87] (WO2017/075695)
[30] US (62/251,625) 2015-11-05

---

[21] **3,004,476**
[13] A1
[51] **Int.Cl. A23L 27/00 (2016.01) C07C 69/66 (2006.01)**
[25] EN
[54] **NATURAL COOLING FORMULATIONS**
[54] **FORMULATIONS DE REFROIDISSEMENT NATUREL**
[72] JOHNSON, SONYA, US
[72] TIAN, MINMIN, US
[72] DOWD, ERIC, US
[72] SHELDON, GLORIA, US
[71] WM. WRIGLEY JR. COMPANY, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060444)
[87] (WO2017/079506)
[30] US (62/251,431) 2015-11-05

---

[21] **3,004,477**
[13] A1
[51] **Int.Cl. B61D 3/18 (2006.01) B61D 47/00 (2006.01)**
[25] EN
[54] **SUSPENSION DEVICE FOR CABLES AND TUBINGS**
[54] **DISPOSITIF DE SUSPENSION POUR CABLES ET TUYAUX**
[72] ERIKSSON, JAN, SE
[71] FLEXIWAGGON AB, SE
[85] 2018-05-07
[86] 2015-12-11 (PCT/EP2015/079403)
[87] (WO2017/097373)

---

[21] **3,004,479**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06Q 50/22 (2018.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR CODIFICATION, TRACKING, AND USE OF INFORMED CONSENT DATA FOR HUMAN SPECIMEN RESEARCH**
[54] **PROCEDE ET SYSTEME DE CODIFICATION, DE SUIVI ET D'UTILISATION DE DONNEES DE CONSENTEMENT ECLAIRE POUR UNE RECHERCHE DE SPECIMEN HUMAIN**
[72] WARNER, AMELIA WALL, US
[72] COLLINS, MARK ANTHONY, US
[71] GLOBAL SPECIMEN SOLUTIONS, INC., US
[85] 2018-05-01
[86] 2016-11-18 (PCT/US2016/062724)
[87] (WO2017/087773)
[30] US (62/256,756) 2015-11-18

---

[21] **3,004,480**
[13] A1
[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **PROCEDURE TO OPERATE A PERFUSION DEVICE AND PERFUSION DEVICE TO IMPLEMENT THE PROCEDURE**
[54] **MODE OPERATOIRE D'UTILISATION D'UN DISPOSITIF DE PERFUSION, ET DISPOSITIF DE PERFUSION POUR METTRE EN OEUVRE LE MODE OPERATOIRE**
[72] LANGLE, DANIEL, CH
[72] BONI, DOMINIC, CH
[71] ONEFUSION AG, CH
[85] 2018-05-04
[86] 2016-11-11 (PCT/IB2016/056820)
[87] (WO2017/085605)
[30] AT (A 731/2015) 2015-11-16

---

[21] **3,004,481**
[13] A1
[51] **Int.Cl. C23C 14/06 (2006.01) C23C 14/34 (2006.01) C23C 14/35 (2006.01) F01D 5/28 (2006.01) F01D 11/12 (2006.01)**
[25] EN
[54] **TURBINE CLEARANCE CONTROL COATINGS AND METHOD**
[54] **PROCEDE ET REVETEMENTS DE REDUCTION DU JEU D'UNE TURBINE**
[72] WILSON, SCOTT, CH
[72] ACIKGOZ DOROKIN, CANET, CH
[72] ROVERE, FLORIAN, US
[72] JARRY, OLIVIER, DE
[72] NESTLER, MONTIA, US
[71] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
[85] 2018-05-07
[86] 2016-11-09 (PCT/EP2016/001854)
[87] (WO2017/080645)
[30] US (US 62/253, 194) 2015-11-10
[30] EP (EP 16000977.5) 2016-05-01

[21] **3,004,482**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/60 (2017.01) A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) A61P 25/28 (2006.01) A61P 37/04 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01) C07K 16/18 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 5/16 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **N-TERMINAL EPITOPES IN AMYLOID BETA AND CONFORMATIONALLY-SELECTIVE ANTIBODIES THERETO**
[54] **EPITOPES N-TERMINAUX DANS LA BETA-AMYLOIDE ET ANTICORPS CONFORMATIONNELLEMENT SELECTIFS ASSOCIES**
[72] CASHMAN, NEIL R., CA
[72] PLOTKIN, STEVEN S., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-05-07
[86] 2016-11-09 (PCT/CA2016/051300)
[87] (WO2017/079831)
[30] US (62/253,044) 2015-11-09
[30] US (62/331,925) 2016-05-04
[30] US (62/365,634) 2016-07-22
[30] US (62/393,615) 2016-09-12

---

[21] **3,004,483**
[13] A1
[51] **Int.Cl. B41J 3/36 (2006.01) B41J 2/165 (2006.01) B41J 2/175 (2006.01)**
[25] EN
[54] **SERVICING CASSETTES FOR HANDHELD FLUID JET APPARATUSES FOR USE IN MODIFYING SURFACES**
[54] **CASSETTES D'ENTRETIEN POUR APPAREILS DE JET DE FLUIDE A MAIN A UTILISER DANS LA MODIFICATION DE SURFACES**
[72] RABE, THOMAS ELLIOT, US
[72] VERNON, PAUL JOHN EDWARD, US
[72] STRIEMER, GRANT EDWARD ANDERS, US
[72] LINGOES, JANETTE VILLALOBOS, US
[72] KOLAKOSKI, REBECCA ASHLEY, US
[72] FLOYD, BRIAN LEE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-04
[86] 2016-12-06 (PCT/US2016/065049)
[87] (WO2017/100148)
[30] US (14/960,976) 2015-12-07

---

[21] **3,004,484**
[13] A1
[51] **Int.Cl. A63F 9/24 (2006.01) G07F 17/32 (2006.01)**
[25] EN
[54] **HYBRID ARCADE/WAGER-BASED GAMING ASPECTS RELATING TO ENTERTAINMENT AND WAGERING GAMING ACTIVITIES**
[54] **ASPECTS DE JEUX D'ARCADE/A BASE DE PARIS HYBRIDES SE RAPPORTANT A DES ACTIVITES DE JEU DE DIVERTISSEMENT ET DE PARIS**
[72] WASHINGTON, GEORG, US
[72] SERRA, JOE, US
[71] SYNERGY BLUE, LLC, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060732)
[87] (WO2017/079701)
[30] US (62/250,946) 2015-11-04

---

[21] **3,004,485**
[13] A1
[51] **Int.Cl. H04L 5/14 (2006.01) H04W 72/04 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR INDICATING A DYNAMIC SUBFRAME TYPE**
[54] **TECHNIQUES POUR INDIQUER UN TYPE DE SOUS-TRAME DYNAMIQUE**
[72] ANG, PETER PUI LOK, US
[72] LUO, TAO, US
[72] VARDHAN, ANURAG, US
[72] BHUSHAN, NAGA, US
[72] JI, TINGFANG, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-04
[86] 2016-12-09 (PCT/US2016/065744)
[87] (WO2017/106027)
[30] US (62/267,903) 2015-12-15
[30] US (62/377,466) 2016-08-19
[30] US (15/256,325) 2016-09-02

---

[21] **3,004,486**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A23L 33/135 (2016.01) A61K 35/00 (2006.01)**
[25] EN
[54] **BACTERIAL COMPOSITION FOR USE IN ATTENUATING THE DECLINE IN PERFORMANCE AFTER EXERCISE**
[54] **COMPOSITION BACTERIENNE POUR ATTENUER LE DECLIN DE PERFORMANCE APRES EXERCICE**
[72] MOGNA, GIOVANNI, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2018-05-04
[86] 2016-11-17 (PCT/IB2016/056919)
[87] (WO2017/085656)
[30] IT (102015000074653) 2015-11-19

[21] **3,004,487**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/06 (2012.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **MERCHANDISE SHIPPING FEE CALCULATING SYSTEM IN ELECTRONIC COMMERCE**
[54] **SYSTEME DE CALCUL DE FRAIS D'EXPEDITION DE MARCHANDISES DANS LE COMMERCE ELECTRONIQUE**
[72] KOH, KWON SUK, KR
[71] KOH, KWON SUK, KR
[85] 2018-05-04
[86] 2016-11-01 (PCT/KR2016/012485)
[87] (WO2017/078378)
[30] KR (10-2015-0154866) 2015-11-05

[21] **3,004,488**
[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **INFORMATION PROCESSING NETWORK BASED ON UNIFORM CODE ISSUANCE, METHOD THEREFOR, AND SENSING ACCESS DEVICE**
[54] **RESEAU DE TRAITEMENT D'INFORMATIONS ET PROCEDE BASE SUR UN CODE UNIFORME D'ENVOI ET DISPOSITIF D'ACCES DE DETECTION**
[72] XU, WEI, CN
[71] XU, WEI, CN
[85] 2018-05-07
[86] 2015-10-09 (PCT/CN2015/091553)
[87] (WO2017/059580)

[21] **3,004,489**
[13] A1
[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/142 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **SYSTEMS FOR INTERMITTENT INFUSION**
[54] **SYSTEMES POUR PERFUSION INTERMITTENTE**
[72] BOLLISH, STEPHEN J., US
[72] FARHAT, LAWRENCE, US
[72] ABAL, DANIEL, US
[72] BUTTERFIELD, ROBERT DWAINE, US
[72] VASKO, ROBERT, US
[71] CAREFUSION 303, INC., US
[85] 2018-05-04
[86] 2016-12-29 (PCT/US2016/069335)
[87] (WO2017/117463)
[30] US (62/273,962) 2015-12-31

[21] **3,004,490**
[13] A1
[51] **Int.Cl. A63F 13/30 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **GAMING ASPECTS RELATING TO MULTIPLAYER/TOURNAMENT HYBRID ARCADE/WAGER-BASED GAMES**
[54] **ASPECTS DE JEUX RELATIFS A DES JEUX HYBRIDES D'ARCADE/PARI MULTIJOUEURS/EN TOURNOI**
[72] WASHINGTON, GEORG, US
[72] SERRA, JOE, US
[71] SYNERGY BLUE, LLC, US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060737)
[87] (WO2017/079706)
[30] US (62/250,964) 2015-11-04

[21] **3,004,491**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/16 (2006.01) C07K 14/00 (2006.01) C07K 14/435 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **CONDITIONALLY ACTIVE HETERODIMERIC POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES HETERODIMERES CONDITIONNELLEMENT ACTIFS ET LEURS METHODES D'UTILISATION**
[72] TAUNTON, JOHN W., US
[72] LIM, WENDELL A., US
[72] WU, CHIA-YUNG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-05-04
[86] 2017-01-06 (PCT/US2017/012634)
[87] (WO2017/120546)
[30] US (62/276,725) 2016-01-08

[21] **3,004,492**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/50 (2006.01) A61K 31/7056 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS OF RIBAVIRIN**
[54] **COMPOSITIONS PHARMACEUTIQUES A BASE DE RIBAVIRINE**
[72] DELL'ORCO, PHILIP CHARLES, US
[72] FARRER, BRIAN T., US
[72] HONG, ZHI, US
[72] ROBERTS, CHRISTOPHER D., US
[72] SAVAGE, JOHN ROBERT, US
[72] SPRAGUE, JACOB J., US
[72] WANG, YONGCAI, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[71] LIQUIDIA TECHNOLOGIES, INC., US
[85] 2018-05-04
[86] 2016-11-18 (PCT/IB2016/056981)
[87] (WO2017/085692)
[30] US (62 256,868) 2015-11-18

[21] **3,004,493**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/60 (2017.01) A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) A61P 25/28 (2006.01) A61P 37/04 (2006.01) C07K 5/00 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **C-TERMINAL EPITOPES IN AMYLOID BETA AND CONFORMATIONALLY-SELECTIVE ANTIBODIES THERETO**
[54] **EPITOPES EN C-TERMINAL DANS LA BETA-AMYLOIDE ET ANTICORPS CONFORMATIONNELS SELECTIFS ASSOCIES**
[72] CASHMAN, NEIL R., CA
[72] PLOTKIN, STEVEN S., CA
[71] THE UNIVERSITY OF BRITISH COLUMIBA, CA
[85] 2018-05-07
[86] 2016-11-09 (PCT/CA2016/051301)
[87] (WO2017/079832)
[30] US (62/253,044) 2015-11-09
[30] US (62/352,346) 2016-06-20
[30] US (62/365,634) 2016-07-22
[30] US (62/393,615) 2016-09-12

[21] **3,004,494**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/60 (2017.01) A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) A61P 25/28 (2006.01) A61P 37/04 (2006.01) C07K 5/00 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01) C07K 16/18 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **EPITOPES IN AMYLOID BETA MID-REGION AND CONFORMATIONALLY-SELECTIVE ANTIBODIES THERETO**
[54] **EPITOPES DANS LA REGION CENTRALE DE LA BETA-AMYLOIDE ET ANTICORPS CONFORMATIONNELS SELECTIFS ASSOCIES**
[72] CASHMAN, NEIL R., CA
[72] PLOTKIN, STEVEN S., CA
[71] THE UNIVERSITY OF BRITISH COLUMIBA, CA
[85] 2018-05-07
[86] 2016-11-09 (PCT/CA2016/051303)
[87] (WO2017/079833)
[30] US (62/253,044) 2015-11-09
[30] US (62/363,566) 2016-07-18
[30] US (62/365,634) 2016-07-22
[30] US (62/393,615) 2016-09-12

[21] **3,004,495**
[13] A1
[51] **Int.Cl. G01V 1/50 (2006.01) G01V 1/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MODELING THE EFFECTS OF FLUID CHANGES IN LOW POROSITY HYDROCARBON RESERVOIRS**
[54] **SYSTEME ET PROCEDE DE MODELISATION DES EFFETS DE CHANGEMENTS DE FLUIDE DANS DES RESERVOIRS D'HYDROCARBURES A FAIBLE POROSITE**
[72] SKELT, CHRISTOPHER HUGH, US
[71] CHEVRON U.S.A. INC., US
[85] 2018-05-04
[86] 2017-01-19 (PCT/US2017/014019)
[87] (WO2017/127476)
[30] US (15/004,053) 2016-01-22

[21] **3,004,496**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/60 (2017.01) A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) A61P 25/28 (2006.01) A61P 37/04 (2006.01) C07K 5/00 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **EPITOPES IN AMYLOID BETA AND CONFORMATIONALLY-SELECTIVE ANTIBODIES THERETO**
[54] **EPITOPES DANS LA BETA-AMYLOIDE ET ANTICORPS CONFORMATIONNELS SELECTIFS ASSOCIES**
[72] CASHMAN, NEIL R., CA
[72] PLOTKIN, STEVEN S., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-05-07
[86] 2016-11-09 (PCT/CA2016/051304)
[87] (WO2017/079834)
[30] US (62/253,044) 2015-11-09
[30] US (62/309,765) 2016-03-17
[30] US (62/365,634) 2016-07-22
[30] US (62/393,615) 2016-09-12

[21] **3,004,497**
[13] A1
[51] **Int.Cl. A01K 67/027 (2006.01) C12N 15/113 (2010.01) C07K 14/47 (2006.01) C12N 9/22 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **LARGE GENOMIC DNA KNOCK-IN AND USES THEREOF**
[54] **INSERTION CIBLEE DE SEQUENCE D'ADN GENOMIQUE VOLUMINEUX ET UTILISATIONS ASSOCIEES**
[72] BERGSTROM, DAVID, US
[72] LEIDY-DAVIS, TIFFANY, US
[71] THE JACKSON LABORATORY, US
[85] 2018-05-04
[86] 2016-11-07 (PCT/US2016/060788)
[87] (WO2017/079724)
[30] US (62/252,080) 2015-11-06

[21] **3,004,498**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/60 (2017.01) A61K 47/68 (2017.01) A61K 39/00 (2006.01) A61K 39/385 (2006.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) A61P 25/28 (2006.01) A61P 37/04 (2006.01) C07K 5/00 (2006.01) C07K 5/10 (2006.01) C07K 7/64 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **AMYLOID BETA EPITOPES AND ANTIBODIES THERETO**
[54] **EPITOPES DE LA BETA-AMYLOIDE ET ANTICORPS ASSOCIES**
[72] CASHMAN, NEIL R., CA
[72] PLOTKIN, STEVEN S., CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-05-07
[86] 2016-11-09 (PCT/CA2016/051305)
[87] (WO2017/079835)
[30] US (62/253,044) 2015-11-09
[30] US (62/289,893) 2016-02-01
[30] US (62/365,634) 2016-07-22
[30] US (62/393,615) 2016-09-12

---

[21] **3,004,499**
[13] A1
[51] **Int.Cl. A61C 19/04 (2006.01) A61B 5/107 (2006.01) A61B 6/00 (2006.01) A61C 19/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SPATIAL POSITIONING OF DIAGNOSTIC AND OR TREATMENT PROBE BASED ON SURFACE PROFILE DETECTION**
[54] **SYSTEMES ET PROCEDES DE POSITIONNEMENT SPATIAL D'UNE SONDE DE DIAGNOSTIC ET/OU DE TRAITEMENT SUR LA BASE D'UNE DETECTION DE PROFIL DE SURFACE**
[72] ABRAMS, STEPHEN, CA
[72] SILVERTOWN, JOSH, CA
[72] SIVAGURUNATHAN, KONESWARAN S., CA
[71] QUANTUM DENTAL TECHNOLOGIES INC., CA
[85] 2018-05-07
[86] 2016-11-10 (PCT/CA2016/051307)
[87] (WO2017/079837)
[30] US (62/253,303) 2015-11-10

---

[21] **3,004,500**
[13] A1
[51] **Int.Cl. B60J 1/00 (2006.01) B60J 10/18 (2016.01) B60J 10/30 (2016.01) B60J 10/70 (2016.01) B60J 1/02 (2006.01) B62D 25/08 (2006.01)**
[25] FR
[54] **GLAZING WITH INBUILT PROFILE STRIP**
[54] **VITRAGE A PROFILE INTEGRE**
[72] KUSTER, HANS-WERNER, DE
[72] OFFERMANN, VOLKMAR, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-05-07
[86] 2016-11-23 (PCT/FR2016/053058)
[87] (WO2017/089702)
[30] FR (1561226) 2015-11-23

---

[21] **3,004,501**
[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01) H04W 4/12 (2009.01) H04W 4/14 (2009.01)**
[25] EN
[54] **AIRCRAFT FLIGHT ITINERARY ALERTING SYSTEM**
[54] **SYSTEME D'ALERTE D'ITINERAIRE DE VOL D'UN AVION**
[72] KLEYWEGT, MICHAEL, CA
[71] AIRSUITE INC., CA
[85] 2018-05-07
[86] 2016-11-14 (PCT/CA2016/051318)
[87] (WO2017/079846)
[30] US (62/255,045) 2015-11-13

---

[21] **3,004,502**
[13] A1
[51] **Int.Cl. B07B 1/46 (2006.01) B23P 15/28 (2006.01) B28D 1/18 (2006.01)**
[25] EN
[54] **TOOL FOR FASTENING ON A MACHINE**
[54] **OUTIL A FIXER SUR UNE MACHINE**
[72] KRAEMER, ULRICH, DE
[72] SMEETS, FLORIAN, DE
[72] MOOSMANN, BERNHARD, DE
[72] KERN, JOCHEN, DE
[71] BETEK GMBH & CO. KG, DE
[85] 2018-05-07
[86] 2016-10-28 (PCT/EP2016/076025)
[87] (WO2017/076760)
[30] DE (10 2015 119 125.3) 2015-11-06

---

[21] **3,004,503**
[13] A1
[51] **Int.Cl. C01B 21/086 (2006.01) C01B 21/093 (2006.01) C07C 303/40 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF BIS(FLUOROSULFONYL)-IMIDE AND OF ITS SALTS**
[54] **PROCEDE DE PREPARATION DE BIS(FLUOROSULFONYL)IMIDE ET DE SES SELS**
[72] HORMES, ANNA-CHRISTINA, CH
[72] KLEIN, ANDREAS, CH
[72] SCHNIDER, CHRISTIAN, CH
[72] GRUETZNER, THOMAS, CH
[72] BERSIER, MICHAEL, CH
[72] STUDER, PHILIPP, CH
[72] TILLE, STEFAN, CH
[72] LORENZ, DESIREE, CH
[72] LORENZ, HILKE-MARIE, CH
[72] HASSE, HANS, DE
[72] VON HARBOU, ERIK, DE
[72] NEUHAUS, JOHANNES, DE
[71] LONZA LTD, CH
[85] 2018-05-07
[86] 2016-10-26 (PCT/EP2016/075836)
[87] (WO2017/080831)
[30] US (62/254,860) 2015-11-13
[30] EP (15194513.6) 2015-11-13
[30] EP (15195231.4) 2015-11-18
[30] US (62/290,523) 2016-02-03
[30] EP (16153983.8) 2016-02-03
[30] EP (16160245.3) 2016-03-15
[30] US (62/308,313) 2016-03-15
[30] EP (16160248.7) 2016-03-15
[30] EP (16163043.9) 2016-03-30
[30] EP (16163045.4) 2016-03-30
[30] EP (16163835.8) 2016-04-05
[30] EP (16164023.0) 2016-04-06
[30] EP (16164146.9) 2016-04-07
[30] EP (16164148.5) 2016-04-07
[30] EP (16164371.3) 2016-04-08
[30] EP (16164373.9) 2016-04-08
[30] EP (16164593.2) 2016-04-11
[30] EP (16164595.7) 2016-04-11
[30] EP (16167626.7) 2016-04-29
[30] EP (16167634.1) 2016-04-29
[30] EP (16180254.1) 2016-07-20
[30] EP (16180255.8) 2016-07-20
[30] EP (16180274.9) 2016-07-20
[30] EP (16188590.0) 2016-09-13
[30] EP (16188591.8) 2016-09-13
[30] EP (16189382.1) 2016-09-19
[30] EP (16189474.6) 2016-09-19
[30] EP (16189383.9) 2016-09-19
[30] EP (16189478.7) 2016-09-19
[30] EP (16193206.6) 2016-10-11
[30] EP (16195489.6) 2016-10-25

[21] **3,004,504**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) A61K 31/00 (2006.01) C12Q 1/68 (2018.01) G01N 1/28 (2006.01) G01N 1/34 (2006.01) G01N 1/36 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **REPRESENTATIVE DIAGNOSTICS**
[54] **DIAGNOSTIC REPRESENTATIF**
[72] ALEXANDER, NELSON, US
[72] BARHOUMI, AOUNE, US
[72] DAY, MELINDA, US
[72] GALLEGOS, LISA, US
[72] LEITH, KATHERINE, US
[72] RAJKOVICH, SAMANTHA, US
[72] ROBERTS, ESTEBAN, US
[72] STANISLAW, STACEY, US
[72] WALK, ERIC, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
[85] 2018-05-04
[86] 2016-11-07 (PCT/US2016/060861)
[87] (WO2017/079763)
[30] US (62/252,153) 2015-11-06
[30] US (62/279,405) 2016-01-15
[30] US (62/354,622) 2016-06-24
[30] US (62/418,146) 2016-11-04

[21] **3,004,505**
[13] A1
[51] **Int.Cl. A23D 7/00 (2006.01) A23D 7/01 (2006.01) A23D 7/015 (2006.01) A23D 7/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A FAT SLURRY COMPRISING OLIVE OIL AND FOR PREPARING A SPREAD WITH SAID SLURRY**
[54] **PROCEDE DE PREPARATION D'UNE BOUILLIE DE MATIERE GRASSE CONTENANT DE L'HUILE D'OLIVE ET DE PREPARATION D'UN PRODUIT A TARTINER AVEC LADITE BOUILLIE**
[72] GREBENKAMPER, KAI, NL
[72] LEENHOUTS, ABRAHAM, NL
[72] THE, ROGIER ANTOINE FLORIS, NL
[71] UNILEVER BCS LIMITED, GB
[85] 2018-05-07
[86] 2016-11-16 (PCT/EP2016/077801)
[87] (WO2017/108275)
[30] EP (15201653.1) 2015-12-21

[21] **3,004,506**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **TREATMENT OF OSTEOARTHRITIS**
[54] **TRAITEMENT DE L'OSTEOARTHRITE**
[72] HOOD, JOHN, US
[72] WALLACE, DAVID MARK, US
[72] KC, SUNIL KUMAR, US
[72] YAZICI, YUSUF, US
[72] SWEARINGEN, CHRISTOPHER, US
[72] DELLAMARY, LUIS A., US
[71] SAMUMED, LLC, US
[85] 2018-05-04
[86] 2016-11-07 (PCT/US2016/060868)
[87] (WO2017/079765)
[30] US (62/252,332) 2015-11-06
[30] US (62/303,168) 2016-03-03

[21] **3,004,507**
[13] A1
[51] **Int.Cl. B64F 5/00 (2017.01) B64D 45/00 (2006.01)**
[25] EN
[54] **AIRCRAFT WEIGHT AND BALANCE TOOL SYSTEM**
[54] **SYSTEME D'OUTIL D'EQUILIBRE ET DE POIDS D'AERONEF**
[72] KLEYWEGT, MICHAEL, CA
[71] AIRSUITE INC., CA
[85] 2018-05-07
[86] 2016-11-14 (PCT/CA2016/051322)
[87] (WO2017/079848)
[30] US (62/255,037) 2015-11-13

[21] **3,004,508**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] FR
[54] **LAMINATED GLASS COMPRISING PRESSURE-SENSITIVE ADHESIVE**
[54] **VITRAGE FEUILLETE A BASE D'ADHESIF SENSIBLE A LA PRESSION**
[72] SOON, JIA-MEI, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-05-07
[86] 2016-11-28 (PCT/FR2016/053109)
[87] (WO2017/093642)
[30] FR (1561564) 2015-11-30

[21] **3,004,509**
[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **PLASMINOGEN DOSAGE REGIMEN FOR WOUND HEALING**
[54] **SCHEMA POSOLOGIQUE DE PLASMINOGENE POUR LA CICATRISATION DE PLAIES**
[72] BERTHEIM, ULF, SE
[72] NY, TOR, SE
[72] LAURIN, PIERRE, CA
[72] ROBITAILLE, MARTIN, CA
[71] PROMETIC BIOTHERAPEUTICS, LTD., GB
[85] 2018-05-07
[86] 2016-11-10 (PCT/IB2016/001606)
[87] (WO2017/081529)
[30] US (62/253,352) 2015-11-10

[21] **3,004,510**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] FR
[54] **LAMINATED GLASS COMPRISING PRESSURE-SENSITIVE ADHESIVE ON THE EXTERNAL SURFACE THEREOF**
[54] **VITRAGE FEUILLETE A BASE D'ADHESIF SENSIBLE A LA PRESSION ASSOCIE A SA FACE EXTERNE**
[72] SOON, JIA-MEI, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-05-07
[86] 2016-11-28 (PCT/FR2016/053110)
[87] (WO2017/093643)
[30] FR (1561561) 2015-11-30

[21] **3,004,511**
[13] A1
[51] **Int.Cl. G06F 11/30 (2006.01)**
[25] EN
[54] **PREDICTIVE MAINTENANCE**
[54] **MAINTENANCE CONDITIONNELLE**
[72] HOLDEN, DAVID JOHN, NL
[72] MILLER, ERIK GORDON, US
[72] COCKING, ANDREW JOHN, US
[72] VOORDEN, BERT-TEN, US
[72] STEED, MICHAEL A., US
[72] WALDOWSKI, TIMOTHY JAMES, US
[72] GOEL, KARNIKA, NL
[71] DIVERSEY, INC., US
[85] 2018-05-04
[86] 2016-11-08 (PCT/US2016/060882)
[87] (WO2017/083240)
[30] US (62/254,534) 2015-11-12

---

[21] **3,004,512**
[13] A1
[51] **Int.Cl. A23L 29/206 (2016.01) A23L 27/60 (2016.01) A23L 29/10 (2016.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURE OF AN AQUEOUS DISPERSION COMPRISING MUSTARD BRAN AND OIL-IN-WATER EMULSION CONTAINING SUCH DISPERSION**
[54] **PROCEDE DE FABRICATION D'UNE DISPERSION AQUEUSE COMPRENANT DU SON DE MOUTARDE ET EMULSION D'HUILE DANS L'EAU CONTENANT UNE TELLE DISPERSION**
[72] BERGWERFF, EDWIN, NL
[72] BIALEK, JADWIGA MALGORZATA, NL
[72] SCHUMM, STEPHAN GEORG, NL
[72] NIJSSE, JACOB, NL
[71] UNILEVER PLC, GB
[85] 2018-05-07
[86] 2016-11-02 (PCT/EP2016/076328)
[87] (WO2017/080872)
[30] EP (15194462.6) 2015-11-13

---

[21] **3,004,513**
[13] A1
[51] **Int.Cl. A61N 1/02 (2006.01) A61N 1/00 (2006.01) A61N 1/04 (2006.01) A61N 1/18 (2006.01)**
[25] EN
[54] **TRANSCUTANEOUS ELECTRICAL MUSCLE STIMULATION DEVICE FOR THE TREATMENT OF PREMATURE EJACULATION OR ERECTILE DYSFUNCTION, AND METHODS OF USE THEREOF**
[54] **DISPOSITIF DE STIMULATION MUSCULAIRE ELECTRIQUE TRANSCUTANEE POUR LE TRAITEMENT DE L'EJACULATION PRECOCE OU DE LA DYSERECTION, ET SES PROCEDES D'UTILISATION**
[72] GOLLAN, TAL, IL
[71] VIRILITY MEDICAL LTD., IL
[85] 2018-05-07
[86] 2016-11-17 (PCT/IB2016/001731)
[87] (WO2017/089887)
[30] US (62/259,960) 2015-11-25
[30] US (62/377,010) 2016-08-19

---

[21] **3,004,514**
[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **WEAR MEMBER**
[54] **ELEMENT D'USURE**
[72] CONGDON, THOMAS M., US
[72] GRAHAM, SUSAN, US
[72] FISHER, BART A., US
[71] CATERPILLAR INC., US
[85] 2018-05-04
[86] 2016-11-08 (PCT/US2016/060919)
[87] (WO2017/083264)
[30] US (14/936,322) 2015-11-09

---

[21] **3,004,515**
[13] A1
[51] **Int.Cl. B02C 18/14 (2006.01) B02C 18/18 (2006.01)**
[25] EN
[54] **TOOL SYSTEM**
[54] **SYSTEME D'OUTIL**
[72] SMEETS, FLORIAN, DE
[72] KRAEMER, ULRICH, DE
[71] BETEK GMBH & CO. KG, DE
[85] 2018-05-07
[86] 2016-11-02 (PCT/EP2016/076399)
[87] (WO2017/076884)
[30] DE (10 2015 119 119.9) 2015-11-06

---

[21] **3,004,516**
[13] A1
[51] **Int.Cl. H01H 13/70 (2006.01) G06F 3/044 (2006.01) H03K 17/96 (2006.01)**
[25] EN
[54] **REMOTE CONTROL WITH STABILISATION FILM DESIGNED AS CAPACITIVE SENSOR**
[54] **COMMANDE A DISTANCE COMPORTANT UN FILM DE STABILISATION SOUS FORME DE CAPTEUR CAPACITIF**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
[85] 2018-05-07
[86] 2016-11-21 (PCT/EP2016/078357)
[87] (WO2017/085328)
[30] DE (10 2015 120 174.7) 2015-11-20

---

[21] **3,004,517**
[13] A1
[51] **Int.Cl. G06T 7/13 (2017.01) G06T 7/162 (2017.01) G06T 7/181 (2017.01)**
[25] EN
[54] **FAST AND AUTOMATED SEGMENTATION OF LAYERED IMAGE WITH HEURISTIC GRAPH SEARCH**
[54] **SEGMENTATION RAPIDE ET AUTOMATISEE D'UNE IMAGE EN COUCHES A L'AIDE D'UNE RECHERCHE DE GRAPHE HEURISTIQUE**
[72] REN, HUGANG, US
[72] YU, LINGFENG, US
[71] NOVARTIS AG, CH
[85] 2018-05-07
[86] 2016-12-02 (PCT/IB2016/057324)
[87] (WO2017/098388)
[30] US (14/966,694) 2015-12-11

[21] **3,004,518**
[13] A1
[51] **Int.Cl. F16J 15/18 (2006.01) F16J 15/40 (2006.01)**
[25] EN
[54] **BEARING WITH INTEGRAL DIVERTED LANTERN RING FOR A ROTARY MECHANICAL DEVICE**
[54] **PALIER A LANTERNE DEVIEE INTEGREE POUR DISPOSITIF MECANIQUE ROTATIF**
[72] GETTO, ANDREW, US
[72] HUARD, MICHAEL, US
[71] SEAL RYT CORPORATION, US
[85] 2018-05-04
[86] 2016-11-09 (PCT/US2016/061053)
[87] (WO2017/083329)
[30] US (14/935,897) 2015-11-09

---

[21] **3,004,519**
[13] A1
[51] **Int.Cl. G05G 5/05 (2006.01)**
[25] EN
[54] **REMOTE-CONTROL SYSTEM WITH HOMOPOLAR MAGNETS**
[54] **TELECOMMANDE A AIMANTS A DISPOSITION HOMOPOLAIRE**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
[85] 2018-05-07
[86] 2016-11-10 (PCT/EP2016/077282)
[87] (WO2017/081161)
[30] DE (10 2015 119 485.6) 2015-11-11

---

[21] **3,004,520**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR VALIDATION OF HASHED DATA VIA ACCEPTANCE FRAMES**
[54] **PROCEDE ET SYSTEME DE VALIDATION DE DONNEES HACHEES VIA DES TRAMES D'ACCEPTATION**
[72] DAVIS, STEVEN C., US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-05-07
[86] 2016-11-02 (PCT/US2016/060005)
[87] (WO2017/083143)
[30] US (14/938,213) 2015-11-11

---

[21] **3,004,521**
[13] A1
[51] **Int.Cl. A61L 24/00 (2006.01) A61L 24/04 (2006.01)**
[25] EN
[54] **HEMOSTATIC COMPOSITION**
[54] **COMPOSITION HEMOSTATIQUE**
[72] ILAN, EREZ, IL
[72] FAINGOLD, OMRI, IL
[72] FREIZUS, NATALY, IL
[72] EAVRI, RONEN, IL
[72] LOONEY, DWAYNE, US
[72] DHANARAJ, SRIDEVI, US
[72] GALLOWAY, JAMES, US
[72] DANKER, WALTER, US
[71] OMRIX BIOPHARMACEUTICALS LTD., IL
[71] ETHICON, INC., US
[85] 2018-05-07
[86] 2016-11-08 (PCT/IL2016/000019)
[87] (WO2017/077525)
[30] IL (242496) 2015-11-08
[30] IL (242497) 2015-11-08
[30] US (62/252,785) 2015-11-09
[30] US (62/252,796) 2015-11-09

---

[21] **3,004,522**
[13] A1
[51] **Int.Cl. A23K 10/18 (2016.01) A23K 20/174 (2016.01) A23K 20/189 (2016.01) A23K 20/20 (2016.01) A23K 50/30 (2016.01)**
[25] EN
[54] **FEED ADDITIVE COMPOSITION**
[54] **COMPOSITION D'ADDITIF ALIMENTAIRE**
[72] KIARIE, ELIJAH G., CA
[72] MILLAN, LUIS FERNANDO ROMERO, GB
[72] PAYLING, LAURA, GB
[72] WALSH, MARIA, GB
[72] LUND, SUSAN ARENT, DK
[71] DUPONT NUTRITION BIOSCIENCES APS, DK
[85] 2018-05-07
[86] 2016-11-04 (PCT/US2016/060607)
[87] (WO2017/083196)
[30] US (62/253,089) 2015-11-09

---

[21] **3,004,523**
[13] A1
[51] **Int.Cl. G01L 9/00 (2006.01) G01L 11/02 (2006.01)**
[25] EN
[54] **OPTICAL PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION OPTIQUE**
[72] JOHANSEN, IB-RUNE, NO
[71] TUNABLE INFRARED TECHNOLOGIES AS, NO
[85] 2018-05-07
[86] 2016-11-29 (PCT/EP2016/079145)
[87] (WO2017/089624)
[30] NO (20151618) 2015-11-29

---

[21] **3,004,524**
[13] A1
[51] **Int.Cl. A61L 24/06 (2006.01) A61L 24/00 (2006.01) A61L 24/04 (2006.01)**
[25] EN
[54] **HEMOSTATIC MIXTURE OF CELLULOSE-BASED SHORT AND LONG FIBERS**
[54] **MELANGE HEMOSTATIQUE DE FIBRES COURTES ET LONGUES A BASE DE CELLULOSE**
[72] ILAN, EREZ, IL
[72] FAINGOLD, OMRI, IL
[72] FREIZUS, NATALY, IL
[72] EAVRI, RONEN, IL
[72] LOONEY, DWAYNE, US
[72] DHANARAJ, SRIDEVI, US
[72] GALLOWAY, JAMES, US
[72] DANKER, WALTER, US
[71] OMRIX BIOPHARMACEUTICALS LTD., IL
[71] ETHICON, INC., US
[85] 2018-05-07
[86] 2016-11-08 (PCT/IL2016/000020)
[87] (WO2017/077526)
[30] IL (242496) 2015-11-08
[30] IL (242497) 2015-11-08
[30] US (62/252,785) 2015-11-09
[30] US (62/252,796) 2015-11-09

[21] **3,004,525**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/18 (2006.01) B32B 5/24 (2006.01) B32B 25/10 (2006.01) B32B 27/12 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) E04B 1/80 (2006.01) E04C 2/284 (2006.01)**
[25] EN
[54] **FOAM CONSTRUCTION BOARDS WITH EXPANDABLE GRAPHITE**
[54] **PANNEAUX DE CONSTRUCTION EN MOUSSE A GRAPHITE EXPANSIBLE**
[72] YAO, CHUNHUA, US
[72] LETTS, JOHN, US
[72] ZHOU, WENSHENG, US
[71] FIRESTONE BUILDING PRODUCTS CO., LLC, US
[85] 2018-05-04
[86] 2016-11-09 (PCT/US2016/061072)
[87] (WO2017/083345)
[30] US (62/252,640) 2015-11-09

---

[21] **3,004,526**
[13] A1
[51] **Int.Cl. A61F 2/44 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **NUCLEAR IMPLANT APPARATUS**
[54] **APPAREIL ET PROCEDE D'IMPLANT NUCLEAIRE SUIVANT UNE NUCLEOTOMIE PARTIELLE**
[72] HIBRI, NADI S., US
[72] FRANCIS, W. LOREN, US
[72] NOVOTNY, MARK A., US
[71] SPINAL STABILIZATION TECHNOLOGIES LLC, US
[85] 2018-05-07
[86] 2016-11-03 (PCT/US2016/060224)
[87] (WO2017/079367)
[30] US (14/934,987) 2015-11-06

---

[21] **3,004,527**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR DETERMINING THE ORIGIN OF DNA MOLECULES**
[54] **METHODES POUR DETERMINER L'ORIGINE DE MOLECULES D'ADN**
[72] MANN, TOBIAS, US
[71] PROGENITY, INC., US
[85] 2018-05-04
[86] 2016-11-09 (PCT/US2016/061107)
[87] (WO2017/083366)
[30] US (62/252,965) 2015-11-09

---

[21] **3,004,528**
[13] A1
[51] **Int.Cl. C21D 1/667 (2006.01) B21B 45/02 (2006.01) C21D 9/573 (2006.01) C21D 11/00 (2006.01)**
[25] EN
[54] **PROCESS AND DEVICE FOR COOLING A METAL SUBSTRATE**
[54] **PROCEDE ET DISPOSITIF DE REFROIDISSEMENT D'UN SUBSTRAT METALLIQUE**
[72] HAMIDE, MAKHLOUF, FR
[72] ROMBERGER, CHARLES, US
[72] BOREAN, JEAN-LUC, FR
[72] REGNIER, MARIE-CHRISTINE, FR
[71] ARCELORMITTAL, LU
[85] 2018-05-07
[86] 2016-12-29 (PCT/EP2016/082887)
[87] (WO2017/114927)
[30] IB (PCT/IB2015/060051) 2015-12-30

---

[21] **3,004,529**
[13] A1
[51] **Int.Cl. G03B 19/00 (2006.01) G05B 15/00 (2006.01)**
[25] EN
[54] **AERIAL PHOTOGRAPHY CAMERA SYSTEM**
[54] **SYSTEME DE CAMERA DE PHOTOGRAPHIE AERIENNE**
[72] ROZENBERG, OHAD, IL
[72] SOMECH, HAIM, IL
[71] ISRAEL AEROSPACE INDUSTRIES LTD., IL
[85] 2018-05-07
[86] 2016-11-01 (PCT/IL2016/051176)
[87] (WO2017/090022)
[30] IL (242790) 2015-11-26

---

[21] **3,004,530**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/19 (2006.01) A61K 39/395 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS COMPRISING TUMOR SUPPRESSOR GENE THERAPY AND IMMUNE CHECKPOINT BLOCKADE FOR THE TREATMENT OF CANCER**
[54] **METHODES ET COMPOSITIONS COMPRENANT UNE THERAPIE GENIQUE SUPPRESSIVE DE TUMEUR ET LE BLOCAGE DU POINT DE CONTROLE IMMUNITAIRE POUR LE TRAITEMENT DU CANCER**
[72] SOBOL, ROBERT E., US
[72] MENANDER, KERSTIN B., US
[72] CHADA, SUNIL, US
[71] MULTIVIR INC., US
[85] 2018-05-07
[86] 2016-11-07 (PCT/US2016/060833)
[87] (WO2017/079746)
[30] US (62/252,453) 2015-11-07
[30] US (62/276,615) 2016-01-08
[30] US (62/333,817) 2016-05-09
[30] US (62/345,094) 2016-06-03
[30] US (62/408,879) 2016-10-17

---

[21] **3,004,531**
[13] A1
[51] **Int.Cl. A61K 8/34 (2006.01) A01N 25/30 (2006.01) A61K 8/89 (2006.01) A61K 8/97 (2017.01) A61Q 5/02 (2006.01) A61Q 5/12 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **PET CARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOINS POUR ANIMAUX DOMESTIQUES**
[72] HANSEN, ERIC ANTHONY, US
[72] PEYROT, JACQUES, FR
[72] LEFEVRE, JEAN-MARIE, FR
[72] HUMBERT, PHILIPPE, FR
[72] MARIGNAC, GENEVIEVE, FR
[71] MERIAL, INC., US
[85] 2018-05-07
[86] 2016-11-09 (PCT/US2016/061052)
[87] (WO2017/083328)
[30] US (62/252,958) 2015-11-09

[21] **3,004,532**
[13] A1
[51] **Int.Cl. C21D 9/573 (2006.01) C21D 1/667 (2006.01) C21D 9/63 (2006.01) F27D 15/02 (2006.01)**
[25] EN
[54] **CONTINUOUS-FLOW COOLING APPARATUS AND METHOD OF COOLING A METAL STRIP**
[54] **DISPOSITIF DE REFROIDISSEMENT EN CONTINU ET PROCEDE DE REFROIDISSEMENT D'UNE BANDE METALLIQUE**
[72] SCHAFER, DIRK, DE
[72] NOE, ANDREAS, DE
[72] VON DER OHE, THOMAS, DE
[71] BWG BERGWERK- UND WALZWERK-MASCHINENBAU GMBH, DE
[85] 2018-05-07
[86] 2017-01-10 (PCT/EP2017/050401)
[87] (WO2017/133867)
[30] DE (10 2016 102 093.1) 2016-02-05

---

[21] **3,004,533**
[13] A1
[51] **Int.Cl. B08B 1/00 (2006.01) B08B 7/00 (2006.01) B65G 1/02 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **CLEANING BIN FOR CLEANING A STORAGE GRID OF A STORAGE SYSTEM**
[54] **BAC DE NETTOYAGE POUR NETTOYER UNE GRILLE DE STOCKAGE D'UN SYSTEME DE STOCKAGE**
[72] HOGNALAND, INGVAR, NO
[72] FJELDHEIM, IVAR, NO
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2018-05-07
[86] 2017-01-31 (PCT/EP2017/051994)
[87] (WO2017/134033)
[30] NO (20160143) 2016-02-01

---

[21] **3,004,534**
[13] A1
[51] **Int.Cl. C07D 491/147 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **FUSED PYRIMIDINES AS ISOFORM SELECTIVE PHOSPHOINOSITIDE-3-KINASE-ALPHA INHIBITORS AND PROCESS FOR PREPARATION THEREOF**
[54] **PYRIMIDINES FUSIONNEES UTILISEES COMME INHIBITEURS DE LA PHOSPHOINOSITIDE 3-KINASE ALPHA SELECTIFS D'UNE ISOFORME ET LEUR PROCEDE DE PREPARATION**
[72] BHARATE, SANDIP BIBISHAN, IN
[72] BHUSHAN, SHASHI, IN
[72] MOHAMMED, SHABBER, IN
[72] GURU, SANTOSH KUMAR, IN
[72] BHARATE, SONALI SANDIP, IN
[72] KUMAR, VIKAS, IN
[72] MAHAJAN, GIRISH, IN
[72] MINTOO, MUBASHIR JAVED, IN
[72] MONDHE, DILIP MANIKRAO, IN
[72] VISHWAKARMA, RAM, IN
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
[85] 2018-05-07
[86] 2016-11-21 (PCT/IN2016/050416)
[87] (WO2017/090058)
[30] IN (3818/DEL/2015) 2015-11-23

---

[21] **3,004,535**
[13] A1
[51] **Int.Cl. B60W 30/14 (2006.01) B60K 31/00 (2006.01)**
[25] EN
[54] **BRAKING/DRIVING FORCE CONTROL METHOD AND BRAKING/DRIVING FORCE CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE FORCE DE FREINAGE/D'ENTRAINEMENT**
[72] OHTA, MITSUNORI, JP
[72] MIYASHITA, NAOKI, JP
[72] SHIOZAWA, YUUKI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-05-07
[86] 2015-11-09 (PCT/JP2015/005585)
[87] (WO2017/081713)

---

[21] **3,004,536**
[13] A1
[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/113 (2006.01) A61B 5/1455 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **A DEVICE TO DETECT, ASSESS AND TREAT SNORING, SLEEP APNEAS AND HYPOPNEAS**
[54] **DISPOSITIF POUR LA DETECTION, L'EVALUATION ET LE TRAITEMENT DE RONFLEMENT, D'APNEES ET D'HYPOPNEES DU SOMMEIL**
[72] GOLDSTEIN, DAVID, US
[71] WHISPERSOM CORPORATION, US
[85] 2018-05-07
[86] 2015-11-07 (PCT/US2015/059632)
[87] (WO2016/073965)
[30] US (14/535,561) 2014-11-07

---

[21] **3,004,537**
[13] A1
[51] **Int.Cl. B60L 9/18 (2006.01) B60W 30/00 (2006.01)**
[25] EN
[54] **BRAKING/DRIVING FORCE CONTROL METHOD AND BRAKING/DRIVING FORCE CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE FORCE DE FREINAGE/D'ENTRAINEMENT**
[72] SHIOZAWA, YUUKI, JP
[72] KUBOTERA, KATSUAKI, JP
[72] SUZUKI, TATSUYA, JP
[72] MIYASHITA, NAOKI, JP
[72] OHTA, MITSUNORI, JP
[72] KASHIWAYA, TOMOYUKI, JP
[72] OTA, SATOSHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-05-07
[86] 2015-11-09 (PCT/JP2015/005586)
[87] (WO2017/081714)

[21] **3,004,538**
[13] A1
[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING RELATIONSHIPS IN SOCIAL MEDIA CONTENT**
[54] **SYSTEMES ET PROCEDES POUR IDENTIFIER DES RELATIONS DANS UN CONTENU DE MEDIA SOCIAL**
[72] REISCHER, ANDREW J., US
[72] CONAHAN, NATASHA, US
[72] ORRANGE, JOHN, US
[72] BRIGHTWELL, SCOTT, US
[71] SOCIAL SENTINEL, INC., US
[85] 2018-05-07
[86] 2015-11-24 (PCT/US2015/062432)
[87] (WO2017/091214)

[21] **3,004,539**
[13] A1
[51] **Int.Cl. F02P 5/15 (2006.01) F02B 23/06 (2006.01) F02B 23/08 (2006.01) F02M 61/14 (2006.01) F02P 13/00 (2006.01)**
[25] EN
[54] **CONTROL METHOD AND CONTROL DEVICE OF INTERNAL COMBUSTION ENGINE**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE COMMANDER UN MOTEUR A COMBUSTION INTERNE**
[72] IWABUCHI, YOSHIHIKO, JP
[72] TANAKA, DAISUKE, JP
[72] UCHIDA, RYO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-05-07
[86] 2015-11-10 (PCT/JP2015/081651)
[87] (WO2017/081755)

[21] **3,004,582**
[13] A1
[51] **Int.Cl. H04N 21/435 (2011.01) H04N 21/438 (2011.01)**
[25] EN
[54] **SERVICE LIST**
[54] **LISTE DE SERVICES**
[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2018-05-07
[86] 2016-11-10 (PCT/JP2016/083381)
[87] (WO2017/082352)
[30] US (62/255,440) 2015-11-14

[21] **3,004,584**
[13] A1
[51] **Int.Cl. A61K 31/5386 (2006.01) A61K 47/50 (2017.01) A61K 47/64 (2017.01) C07D 405/12 (2006.01) C07D 498/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD22 ANTIBODY-MAYTANSINE CONJUGATES AND METHODS OF USE THEREOF**
[54] **CONJUGUES ANTICORPS ANTI-HER22-MAYTANSINE ET METHODES D'UTILISATION DE CEUX-CI**
[72] RABUKA, DAVID, US
[72] MCFARLAND, JESSE M., US
[72] DRAKE, PENELOPE M., US
[72] BARFIELD, ROBYN M., US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2018-05-07
[86] 2016-11-08 (PCT/US2016/060996)
[87] (WO2017/083306)
[30] US (62/252,985) 2015-11-09

[21] **3,004,585**
[13] A1
[51] **Int.Cl. A61K 31/195 (2006.01) A61K 9/00 (2006.01) A61K 31/4015 (2006.01) A61K 31/765 (2006.01) A61P 27/02 (2006.01) A61P 27/10 (2006.01) A61P 27/12 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **BIFUNCTIONAL MOLECULES CONTAINING PEG FOR USE IN INHIBITING CATARACTS AND PRESBYOPIA**
[54] **MOLECULES BIFONCTIONNELLES CONTENANT PEG POUR UTILISATION DANS L'INHIBITION DES CATARACTES ET DE LA PRESBYTIE**
[72] MUTHUKUMAR, MURUGAPPAN, US
[71] THE UNIVERSITY OF MASSACHUSETTS, US
[85] 2018-05-07
[86] 2016-11-11 (PCT/US2016/061490)
[87] (WO2017/083619)
[30] US (62/254,863) 2015-11-13

[21] **3,004,586**
[13] A1
[51] **Int.Cl. A63F 13/828 (2014.01)**
[25] EN
[54] **VISUALLY REPRESENTATING VIRTUAL FANTASY SPORTS CONTESTS**
[54] **COMPETITIONS SPORTIVES DE FICTION VIRTUELLES REPRESENTEES VISUELLEMENT**
[72] CROCI, ALBERTO MURAT, US
[72] KARLIN, MICHAEL JOSEPH, US
[71] SPORTAL SYSTEMS, LLC, US
[85] 2018-05-07
[86] 2016-11-06 (PCT/US2016/060758)
[87] (WO2017/079713)
[30] US (62/251,954) 2015-11-06

[21] **3,004,587**
[13] A1
[51] **Int.Cl. A61K 31/015 (2006.01) A61K 31/216 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **USE OF PROTEASOME INHIBITORS TO TREAT OCULAR DISORDERS**
[54] **UTILISATION D'INHIBITEURS DU PROTEASOME AFIN DE TRAITER DE TROUBLES OCULAIRES**
[72] COULON, RICK, US
[71] ACCUITIS PHARMACEUTICALS, INC., US
[85] 2018-05-04
[86] 2016-10-24 (PCT/US2016/058402)
[87] (WO2017/078953)
[30] US (62/251,937) 2015-11-06

[21] **3,004,588**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01) H04L 27/26 (2006.01)**
[25] EN
[54] **COMMUNICATION DEVICE, BASE STATION AND COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION, STATION DE BASE, ET PROCEDE DE COMMUNICATION**
[72] UCHIYAMA, HIROMASA, JP
[71] SONY CORPORATION, JP
[85] 2018-05-07
[86] 2017-01-12 (PCT/JP2017/000842)
[87] (WO2017/135002)
[30] JP (2016-020159) 2016-02-04

[21] **3,004,589**
[13] A1
[51] **Int.Cl. A61K 8/34 (2006.01) A01N 25/30 (2006.01) A61K 8/892 (2006.01) A61K 8/97 (2017.01) A61Q 5/02 (2006.01) A61Q 5/12 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **PET CARE CLEANSING COMPOSITION**
[54] **COMPOSITION NETTOYANTE DE SOIN D'ANIMAL DOMESTIQUE**
[72] HANSEN, ERIC ANTHONY, US
[71] MERIAL INC., US
[85] 2018-05-07
[86] 2016-11-09 (PCT/US2016/061048)
[87] (WO2017/083326)
[30] US (62/252,958) 2015-11-09

---

[21] **3,004,590**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR TREATMENT OF AN ARTIFICIAL BONE IMPLANT WITH BLOOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMPLANT OSSEUX ARTIFICIEL AVEC DU SANG**
[72] SROUJI, SAMER, IL
[71] HEALTH CORPORATION OF GALILEE MEDICAL CENTER, IL
[85] 2018-05-03
[86] 2016-11-03 (PCT/IL2016/051196)
[87] (WO2017/077542)
[30] US (62/249,980) 2015-11-03

---

[21] **3,004,591**
[13] A1
[51] **Int.Cl. B29C 45/20 (2006.01) B29C 45/23 (2006.01)**
[25] EN
[54] **VALVE STEM ACTUATION**
[54] **ACTIONNEMENT DE TIGE DE SOUPAPE**
[72] FERENC, STEPHEN DANIEL, CA
[72] KEIR, WILLIAM STEVEN, CA
[72] WHITE, BRANDON DOUGLAS, US
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2018-05-04
[86] 2016-11-14 (PCT/CA2016/051317)
[87] (WO2017/088044)
[30] US (62/258,704) 2015-11-23
[30] US (62/290,252) 2016-02-02

---

[21] **3,004,592**
[13] A1
[51] **Int.Cl. H04W 36/08 (2009.01)**
[25] EN
[54] **ELECTRONIC DEVICE AND WIRELESS COMMUNICATION METHOD IN WIRELESS COMMUNICATION SYSTEM**
[54] **DISPOSITIF ELECTRONIQUE ET PROCEDE DE COMMUNICATION SANS FIL DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] XU, XIAODONG, CN
[72] ZHANG, YI, CN
[72] XIAO, YUNQIU, CN
[72] WANG, CE, CN
[72] KE, XI, CN
[72] HU, BINGSHAN, CN
[71] SONY CORPORATION, JP
[85] 2018-05-04
[86] 2016-10-24 (PCT/CN2016/103020)
[87] (WO2017/076177)
[30] CN (201510751026.4) 2015-11-05

---

[21] **3,004,593**
[13] A1
[51] **Int.Cl. G06F 19/16 (2011.01) G06F 19/10 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREDICTING MISFOLDED PROTEIN EPITOPES BY COLLECTIVE COORDINATE BIASING**
[54] **SYSTEMES ET PROCEDES DE PREDICTION D'EPITOPES DE PROTEINE MAL REPLIES PAR SOLLICITATION DE COORDONNEES COLLECTIVES**
[72] PLOTKIN, STEVEN SAMUEL, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-05-07
[86] 2016-11-09 (PCT/CA2016/051306)
[87] (WO2017/079836)
[30] US (62/253,044) 2015-11-09
[30] US (62/289,893) 2016-02-01
[30] US (62/309,765) 2016-03-17
[30] US (62/331,925) 2016-05-04
[30] US (62/352,346) 2016-06-20
[30] US (62/363,566) 2016-07-18
[30] US (62/365,634) 2016-07-22
[30] US (62/393,615) 2016-09-12

---

[21] **3,004,594**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **CAUSE BACKTRACING METHOD**
[54] **PROCEDE DE TRACAGE DE RAISON**
[72] ZHANG, BIN, CN
[71] SUZHOU SENIOR ELITE INFORMATION TECHNOLOGY CO., LTD, CN
[85] 2018-05-07
[86] 2016-10-18 (PCT/CN2016/102358)
[87] (WO2017/084460)
[30] CN (201510796421.4) 2015-11-18

---

[21] **3,004,595**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING, AS ACTIVE INGREDIENT, 7-AZAINDOLIN-2-ONE DERIVATIVE OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT, EN TANT QUE PRINCIPE ACTIF, UN DERIVE OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE 7-AZAINDOLIN-2-ONE**
[72] JEONG, BYEONG-SEON, KR
[72] KIM, JUNG-AE, KR
[72] NAM, TAE-GYU, KR
[71] LG CHEM, LTD., KR
[85] 2018-05-07
[86] 2016-10-31 (PCT/KR2016/012409)
[87] (WO2017/082569)
[30] KR (10-2015-0158695) 2015-11-12

[21] **3,004,596**
[13] A1
[51] **Int.Cl. B81B 1/00 (2006.01) B01L 3/00 (2006.01) B81C 1/00 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC PLATFORM FOR INVESTIGATING CELL-BASED INTERACTIONS**
[54] **PLATEFORME MICROFLUIDIQUE POUR L'ETUDE D'INTERACTIONS A BASE DE CELLULES**
[72] PAVESI, ANDREA, SG
[72] LIM, SEI HIEN, SG
[72] LIM, SWEE KHUAN, SG
[72] KUAN, CHEE MUN, SG
[71] AIM BIOTECH PTE. LTD., SG
[85] 2018-05-07
[86] 2015-11-09 (PCT/SG2015/050441)
[87] (WO2016/076795)
[30] US (62/077,942) 2014-11-11

[21] **3,004,597**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF TREATING CANCER**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER**
[72] AVIGAN, DAVID, US
[72] ROSENBLATT, JACALYN, US
[72] KUFE, DONALD, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] BETH ISRAEL DEACONESS MEDICAL CENTER, US
[85] 2018-05-07
[86] 2016-11-21 (PCT/US2016/063109)
[87] (WO2017/087954)
[30] US (62/257,945) 2015-11-20

[21] **3,004,598**
[13] A1
[51] **Int.Cl. B01J 8/02 (2006.01) B01D 45/08 (2006.01) B01J 8/00 (2006.01) B01J 8/24 (2006.01) B01J 8/34 (2006.01)**
[25] EN
[54] **PARTICLE DISENGAGEMENT DEVICE**
[54] **DISPOSITIF DE DESOLIDARISATION DE PARTICULES**
[72] CARROLL, CIAN SEAMUS, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-05-07
[86] 2016-11-22 (PCT/US2016/063217)
[87] (WO2017/091525)
[30] US (62/259,126) 2015-11-24

[21] **3,004,599**
[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED ADDRESS VERIFICATION**
[54] **SYSTEME ET PROCEDE POUR LA VERIFICATION D'ADRESSE AUTOMATISEE**
[72] CHEN, TONG, US
[72] BALESKI, SUSAN, US
[72] RESKALA, ALEJANDRO, US
[71] TRANS UNION LLC, US
[85] 2018-05-07
[86] 2016-11-22 (PCT/US2016/063256)
[87] (WO2017/091545)
[30] US (62/259,507) 2015-11-24

[21] **3,004,600**
[13] A1
[51] **Int.Cl. F03D 17/00 (2016.01) F03D 9/25 (2016.01) F03D 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR GRAPHICALLY PRESENTING SENSOR DATA OF MULTIPLE WIND TURBINES, DEVICE FOR THIS PURPOSE, AND SYSTEM COMPRISING SAID DEVICE**
[54] **PROCEDE DE REPRESENTATION GRAPHIQUE DE DONNEES DE CAPTEUR DE PLUSIEURS EOLIENNES AINSI QUE DISPOSITIF ET SYSTEME ASSOCIES**
[72] DEMUTH, SIMON, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2018-05-07
[86] 2016-11-09 (PCT/EP2016/077036)
[87] (WO2017/089130)
[30] DE (10 2015 120 307.3) 2015-11-24

[21] **3,004,601**
[13] A1
[51] **Int.Cl. G06Q 50/22 (2018.01) G06F 15/18 (2006.01)**
[25] EN
[54] **ACUTE MEDICAL CARE SYSTEM**
[54] **SYSTEME DE SOINS MEDICAUX DE COURTE DUREE**
[72] BARTHELL, EDWARD, US
[72] HEDGCOCK, ROBERT, US
[72] RUFER, JARED, US
[72] FISCHER, TIMOTHY, US
[71] EMOPTI, INC., US
[85] 2018-05-07
[86] 2016-11-22 (PCT/US2016/063390)
[87] (WO2017/091603)
[30] US (62/259,970) 2015-11-25

[21] **3,004,602**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **APPARATUS FOR CONTROLLED HEART VALVE DELIVERY**
[54] **APPAREIL DE POSE CONTROLEE DE VALVE CARDIAQUE**
[72] DESROSIERS, JOHN J., US
[72] ANDERSON, AMANDA K., US
[72] BIALAS, MICHAEL R., US
[72] MADRID, GILBERT, US
[72] POPP, MICHAEL J., US
[72] NGUYEN, THANH V., US
[72] LIU, JUN, US
[72] METCHIK, ASHER L., US
[72] PATEL, DARSHIN S., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2018-05-07
[86] 2016-11-22 (PCT/US2016/063394)
[87] (WO2017/091605)
[30] US (62/258,973) 2015-11-23
[30] US (15/351,823) 2016-11-15

---

[21] **3,004,603**
[13] A1
[51] **Int.Cl. B01J 23/888 (2006.01) B01J 37/08 (2006.01) C10G 49/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE BIS-AMMONIA TRANSITION METAL MOLYBDOTUNGSTATE**
[54] **MOLYBDO TUNGSTATE METALLIQUE DE TRANSITION BIS-AMMONIAC CRISTALLIN**
[72] MILLER, STUART, US
[72] COLLINS, LAURA, US
[72] KOSTER, SUSAN C., US
[71] UOP LLC, US
[85] 2018-05-07
[86] 2016-12-13 (PCT/US2016/066259)
[87] (WO2017/106125)
[30] US (62/267,865) 2015-12-15

---

[21] **3,004,604**
[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/36 (2006.01)**
[25] EN
[54] **DEMULSIFIER COMPOSITIONS FOR TREATMENT OF SUBTERRANEAN FORMATIONS AND PRODUCED OIL**
[54] **COMPOSITIONS DE DESEMULSIFIANT POUR LE TRAITEMENT DE FORMATIONS SOUTERRAINES ET PETROLE PRODUIT**
[72] PALLA-VENKATA, CHANDRA SEKHAR, US
[72] HOLTSCLAW, JEREMY A., US
[72] RECIO, ANTONIO, III, US
[72] HOLAN, KRISTINA HENKEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-07
[86] 2015-12-07 (PCT/US2015/064210)
[87] (WO2017/099706)

---

[21] **3,004,605**
[13] A1
[51] **Int.Cl. H01R 12/71 (2011.01) H01R 12/51 (2011.01)**
[25] EN
[54] **WALL PLATE CONNECTOR SYSTEM**
[54] **SYSTEME DE CONNECTEUR DE PLAQUE MURALE**
[72] DAILY, CHRISTOPHER GEORGE, US
[72] MOSTOLLER, MATTHEW EDWARD, US
[72] HOWARD, EDWARD JOHN, US
[71] TE CONNECTIVITY CORPORATION, US
[85] 2018-05-07
[86] 2016-11-08 (PCT/US2016/060899)
[87] (WO2017/083250)
[30] US (14/940,923) 2015-11-13

---

[21] **3,004,606**
[13] A1
[51] **Int.Cl. A61K 8/04 (2006.01) A45D 40/26 (2006.01) A45D 44/00 (2006.01) A61K 8/02 (2006.01) A61K 8/29 (2006.01) A61K 8/81 (2006.01) A61Q 1/02 (2006.01) B41J 3/407 (2006.01)**
[25] EN
[54] **TREATMENT COMPOSITIONS, APPARATUS AND METHODS FOR MODIFYING KERATINOUS SURFACES**
[54] **COMPOSITIONS DE TRAITEMENT, APPAREIL ET PROCEDES POUR MODIFIER DES SURFACES KERATINIQUES**
[72] LINGOES, JANETTE VILLALOBOS, US
[72] RABE, THOMAS ELLIOT, US
[72] STRIEMER, GRANT EDWARD ANDERS, US
[72] HA, ROBERT BAO KIM, US
[72] KUHLMAN, DENNIS EUGENE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-05-07
[86] 2016-12-06 (PCT/US2016/065051)
[87] (WO2017/100150)
[30] US (14/961,073) 2015-12-07

---

[21] **3,004,607**
[13] A1
[51] **Int.Cl. C01G 41/02 (2006.01) C01G 99/00 (2010.01) C01G 45/02 (2006.01) C01G 49/02 (2006.01) C01G 51/04 (2006.01) C01G 53/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE TRANSITION METAL OXY-HYDROXIDE MOLYBDOTUNGSTATE**
[54] **MATERIAU TUNGSTOMOLYBDIQUE, OXYHYDROXYDE DE METAL DE TRANSITION A STRUCTURE CRISTALLINE**
[72] MILLER, STUART, US
[72] KOSTER, SUSAN C., US
[71] UOP LLC, US
[85] 2018-05-07
[86] 2016-12-13 (PCT/US2016/066274)
[87] (WO2017/106133)
[30] US (62/267,870) 2015-12-15

[21] **3,004,608**
[13] A1
[51] **Int.Cl. E01F 13/04 (2006.01)**
[25] EN
[54] **SHOCK ABSORBING RETRACTABLE BOLLARD SYSTEMS**
[54] **SYSTEMES DE BOLLARD RETRACTABLE D'AMORTISSEMENT**
[72] WIEGEL, AARON J., US
[72] SWIFT, DAVID, US
[72] DONDLINGER, JASON, US
[72] KORMAN, JOE, US
[72] PARUCH, LUCAS L., US
[72] SNYDER, RONALD P., US
[71] RITE-HITE HOLDING CORPORATION, US
[85] 2018-05-07
[86] 2016-11-08 (PCT/US2016/060949)
[87] (WO2017/083279)
[30] US (14/939,602) 2015-11-12

---

[21] **3,004,609**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **CHANNEL ADJUSTMENT FOR INTER-FRAME TEMPORAL SHIFT VARIATIONS**
[54] **REGLAGE DE CANAL POUR VARIATIONS DE DECALAGE TEMPOREL INTER-TRAME**
[72] ATTI, VENKATRAMAN, US
[72] CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR, US
[72] SINDER, DANIEL JARED, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-07
[86] 2016-12-09 (PCT/US2016/065860)
[87] (WO2017/112434)
[30] US (62/270,501) 2015-12-21
[30] US (15/372,833) 2016-12-08

---

[21] **3,004,610**
[13] A1
[51] **Int.Cl. G06F 17/21 (2006.01) G06Q 10/10 (2012.01) G06Q 50/18 (2012.01) G06F 9/44 (2018.01) G06F 17/22 (2006.01) G06F 17/24 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **COLLABORATIVE DOCUMENT CREATION BY A PLURALITY OF DISTINCT TEAMS**
[54] **CREATION COLLABORATIVE DE DOCUMENT PAR UNE PLURALITE D'EQUIPES DISTINCTES**
[72] PORTIL, ROB, US
[72] THEODORE, JAMES CHANCE, AU
[71] NEXWRITER LIMITED, CN
[85] 2018-05-07
[86] 2016-11-09 (PCT/US2016/061073)
[87] (WO2017/083346)
[30] US (62/253,112) 2015-11-09
[30] US (62/253,117) 2015-11-09
[30] US (62/253,111) 2015-11-09
[30] US (62/253,114) 2015-11-09

---

[21] **3,004,611**
[13] A1
[51] **Int.Cl. C01G 39/02 (2006.01) C01G 99/00 (2010.01) C01G 1/00 (2006.01) C01G 45/02 (2006.01) C01G 49/02 (2006.01) C01G 51/04 (2006.01) C01G 53/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE TRANSITION METAL OXY-HYDROXIDE MOLYBDATE**
[54] **OXY-HYDROXYDE MOLYBDATE DE METAL DE TRANSITION CRISTALLIN**
[72] MILLER, STUART, US
[72] KOSTER, SUSAN C., US
[71] UOP LLC, US
[85] 2018-05-07
[86] 2016-12-13 (PCT/US2016/066250)
[87] (WO2017/106117)
[30] US (62/267,862) 2015-12-15

---

[21] **3,004,612**
[13] A1
[51] **Int.Cl. A43B 3/00 (2006.01) A43C 11/00 (2006.01) A43C 11/16 (2006.01)**
[25] EN
[54] **METHOD FOR LACING A SHOE, PARTICULARLY A SPORTS SHOE**
[54] **PROCEDE POUR LE LACAGE D'UNE CHAUSSURE, EN PARTICULIER D'UNE CHAUSSURE DE SPORT**
[72] BOCK, MARKUS, DE
[72] MAUSSNER, RANDOLPH, DE
[71] PUMA SE, DE
[85] 2018-05-08
[86] 2015-12-02 (PCT/EP2015/002425)
[87] (WO2017/092775)

---

[21] **3,004,613**
[13] A1
[51] **Int.Cl. A61C 17/10 (2006.01)**
[25] EN
[54] **IMPROVED ORAL CAVITY SUCTION DEVICE**
[54] **DISPOSITIF AMELIORE D'ASPIRATION DANS LA CAVITE BUCCALE**
[72] REYES, HARI MARK, US
[71] REYES, HARI MARK, US
[85] 2018-05-07
[86] 2016-11-11 (PCT/US2016/061599)
[87] (WO2017/099942)
[30] US (62/263,867) 2015-12-07
[30] US (15/146,567) 2016-05-04
[30] US (15/265,707) 2016-09-14

---

[21] **3,004,614**
[13] A1
[51] **Int.Cl. A61L 31/18 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR GENERATION, USE, AND DELIVERY OF ACTIVATED STEM CELLS**
[54] **METHODES ET SYSTEMES POUR LA PRODUCTION, L'UTILISATION ET L'ADMINISTRATION DE CELLULES SOUCHES ACTIVEES**
[72] OVOKAITYS, TODD FRANK, US
[72] STRACHAN, JOHN SCOTT, GB
[71] OVOKAITYS, TODD FRANK, US
[85] 2018-05-07
[86] 2016-11-11 (PCT/US2016/061673)
[87] (WO2017/083755)
[30] US (62/254,220) 2015-11-12
[30] US (62/321,781) 2016-04-13

[21] **3,004,615**
[13] A1
[51] **Int.Cl. A61K 9/46 (2006.01) A61K 9/00 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **GASTRIC RETENTION ACTIVE DELIVERY SYSTEMS**
[54] **SYSTEMES D'ADMINISTRATION ACTIFS A RETENTION GASTRIQUE**
[72] ENGEL, ANDREA, DE
[72] GOTTSTEIN, THOMAS, DE
[72] LIEFKE, MELANIE, DE
[71] EVONIK TECHNOCHEMIE GMBH, DE
[85] 2018-05-08
[86] 2016-10-27 (PCT/EP2016/075872)
[87] (WO2017/080833)
[30] EP (15193887.5) 2015-11-10

---

[21] **3,004,616**
[13] A1
[51] **Int.Cl. C03C 1/00 (2006.01) B09B 3/00 (2006.01) C03B 5/00 (2006.01) C03B 37/05 (2006.01) C03C 13/06 (2006.01) C21B 5/00 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING ROCK WOOL AND RECOVERABLE CAST IRON**
[54] **PROCEDE DE PRODUCTION DE LAINE DE ROCHE ET DE FONTE VALORISABLE**
[72] SOKOLOFF, BRUNO, FR
[72] PICARD, LYONEL, FR
[71] EURECAT S.A, FR
[71] ECO'RING, FR
[85] 2018-05-08
[86] 2016-11-04 (PCT/EP2016/076630)
[87] (WO2017/080913)
[30] FR (1560700) 2015-11-09

---

[21] **3,004,617**
[13] A1
[51] **Int.Cl. C09K 8/04 (2006.01) C09K 8/06 (2006.01) C09K 8/08 (2006.01) C09K 8/20 (2006.01) C09K 8/24 (2006.01)**
[25] EN
[54] **ENVIRONMENTALLY FRIENDLY, NON-CLAY, AQUEOUS-BASED, BORATE CROSS-LINKER SLURRIES USING BORON-CONTAINING MATERIALS**
[54] **BOUES DE RETICULATION A BASE DE BORATE, NON ARGILEUSES, A BASE AQUEUSE, ECOLOGIQUES METTANT EN OEUVRE DES MATIERES CONTENANT DU BORE**
[72] CHOWDHARY, MANJIT S., US
[71] RADIXKHEM, LLC, US
[85] 2018-05-07
[86] 2016-11-14 (PCT/US2016/061869)
[87] (WO2017/083837)
[30] US (62/255,015) 2015-11-13

---

[21] **3,004,618**
[13] A1
[51] **Int.Cl. E06B 3/58 (2006.01)**
[25] EN
[54] **PROFILE FOR FASTENING PANES**
[54] **PROFIL POUR LA FIXATION DE VITRES**
[72] KNAPP, FRIEDRICH, AT
[71] KNAPP GMBH, AT
[85] 2018-05-08
[86] 2016-11-09 (PCT/EP2016/077073)
[87] (WO2017/084919)
[30] EP (15195100.1) 2015-11-18

---

[21] **3,004,619**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) D04H 1/425 (2012.01) A47L 13/16 (2006.01) B32B 5/06 (2006.01) B32B 29/02 (2006.01)**
[25] EN
[54] **NONWOVEN COMPOSITE INCLUDING NATURAL FIBER WEB LAYER AND METHOD OF FORMING THE SAME**
[54] **COMPOSITE NON TISSE COMPRENANT UNE COUCHE DE BANDE DE FIBRE NATURELLE ET SON PROCEDE DE FORMATION**
[72] ZAJACZKOWSI, PETER, US
[72] PARSONS, JOHN C., US
[72] RAMARATNAM, KARTHIK, US
[71] FIRST QUALITY NONWOVENS, INC., US
[85] 2018-05-07
[86] 2016-11-14 (PCT/US2016/061900)
[87] (WO2017/083856)
[30] US (62/254,528) 2015-11-12

---

[21] **3,004,620**
[13] A1
[51] **Int.Cl. A61G 12/00 (2006.01) A47B 88/47 (2017.01) A61J 7/00 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **A MEDICAL TECHNOLOGY STATION AND METHOD OF USE**
[54] **STATION DE TECHNOLOGIE MEDICALE ET PROCEDE D'UTILISATION**
[72] VOLEK, ROBERT, US
[72] FINNERTY, JACK, GB
[72] CHEN, JIN, US
[72] SOSNIAK, KRZYSZTOF, US
[72] IPINCE, MARCEL, US
[72] PFEIFFER, CHARLES, US
[72] PIOTROWSKI, ADAM, US
[72] TAN, HARRY, CN
[71] HUMANSCALE CORPORATION, US
[85] 2018-05-07
[86] 2016-11-14 (PCT/US2016/061911)
[87] (WO2017/083863)
[30] US (62/255,336) 2015-11-13

[21] **3,004,621**
[13] A1
[51] **Int.Cl. B62J 9/00 (2006.01) B62J 11/00 (2006.01)**
[25] EN
[54] **CASE HOLDER DEVICE FOR MOTORCYCLES**
[54] **DISPOSITIF SUPPORT DE COFFRE POUR MOTOCYCLES**
[72] MORONI, MARCO, IT
[72] PANZIERA, EDOARDO GIACOMO, CH
[72] MARABESE, RICCARDO, IT
[71] QUADRO VEHICLES S.A., CH
[85] 2018-05-08
[86] 2016-11-11 (PCT/EP2016/077430)
[87] (WO2017/081251)
[30] IT (102015000071855) 2015-11-12

---

[21] **3,004,622**
[13] A1
[51] **Int.Cl. C12P 11/00 (2006.01) C12P 7/00 (2006.01) C12P 7/40 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCTION AND EXTRACTION OF DIHYDROLIPOIC ACID**
[54] **PROCEDE POUR LA PRODUCTION ET L'EXTRACTION DE L'ACIDE DIHYDROLIPOIQUE**
[72] MARSHALL, ROBERT J., US
[72] LABINSKY, NICKOLAS, US
[72] DUNHAM, LINDSEY, US
[72] RATKOVICH, MICHAEL, US
[72] TRIKOSKO, WALTER, US
[71] PREMIER RESEARCH LABS, LP, US
[85] 2018-05-07
[86] 2016-11-16 (PCT/US2016/062228)
[87] (WO2017/087488)
[30] US (14/943,185) 2015-11-17

---

[21] **3,004,623**
[13] A1
[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/4427 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A SOLID STATE FORM OF PLADIENOLIDE PYRIDINE COMPOUNDS AND METHODS OF USE**
[54] **FORME D'ETAT SOLIDE DE COMPOSES DE PLADIENOLIDE-PYRIDINE ET PROCEDES POUR LEUR UTILISATION**
[72] KEANEY, GREGG F., US
[72] WANG, JOHN, US
[72] GERARD, BAUDOUIN, US
[72] ARAI, KENZO, JP
[72] LIU, XIANG, US
[72] KIRA, KAZUNOBU, JP
[72] TIVITMAHAISOON, PARCHAREE, US
[72] PRAJAPATI, SUDEEP, US
[72] KOTAKE, YOSHIHIKO, JP
[72] MIYANO, MASAYUKI, JP
[72] MURAI, NORIO, JP
[72] BUONAMICI, SILVIA, US
[72] YU, LIHUA, US
[72] PAZOLLI, ERMIRA, US
[72] ZHENG, GUO ZHU, US
[72] GEARHART, NICHOLAS C., US
[72] NAGAO, SATOSHI, JP
[72] KANADA SONABE, REGINA MIKIE, JP
[72] PARK, EUNICE SUN, US
[72] CHAN, BETTY, US
[72] SMITH, PETER G., US
[72] THOMAS, MICHAEL P., US
[72] LIM, KIAN HUAT, US
[72] CHANDA, ARANI, US
[72] ENDO, ATSUSHI, US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2018-05-07
[86] 2016-11-17 (PCT/US2016/062525)
[87] (WO2017/087667)
[30] US (62/257,088) 2015-11-18

---

[21] **3,004,624**
[13] A1
[51] **Int.Cl. A01H 1/04 (2006.01) A01H 5/10 (2018.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **BRASSICACEAE PLANTS RESISTANT TO PLASMODIOPHORA BRASSICAE (CLUBROOT)**
[54] **BRASSICACEES RESISTANTES A PLASMODIOPHORA BRASSICAE (HERNIE)**
[72] ENGELEN, STEVEN, BE
[72] VAN THOURNOUT, MICHEL, BE
[72] RAE, STEPHEN, BE
[72] CROMMAR, KIM, BE
[72] HOSTYN, VANESSA, BE
[72] CHONGO, GODFREY, CA
[71] BAYER CROPSCIENCE NV, BE
[71] BAYER CROPSCIENCE LP, US
[85] 2018-05-07
[86] 2016-12-15 (PCT/EP2016/081146)
[87] (WO2017/102923)
[30] US (62/267,460) 2015-12-15

---

[21] **3,004,625**
[13] A1
[51] **Int.Cl. C01G 39/00 (2006.01) C01G 99/00 (2010.01) C01G 1/00 (2006.01) C01G 45/02 (2006.01) C01G 49/02 (2006.01) C01G 51/04 (2006.01) C01G 53/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE BIS-AMMONIA METAL MOLYBDATE**
[54] **MOLYBDATE DE METAL BIS-AMMONIAC CRISTALLIN**
[72] MILLER, STUART, US
[72] KOSTER, SUSAN C., US
[71] UOP LLC, US
[85] 2018-05-07
[86] 2016-12-13 (PCT/US2016/066283)
[87] (WO2017/106137)
[30] US (62/267,857) 2015-12-15

[21] **3,004,626**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **A DRINKS PREPARATION MACHINE FOR PREPARING A DRINK**
[54] **MACHINE DE PREPARATION DE BOISSONS POUR LA PREPARATION D'UNE BOISSON**
[72] ASCHWANDEN, IVO, CH
[72] HILCKMANN, MARIUS, DE
[72] STEIN, ROBERT, DE
[71] QBO COFFEE GMBH, CH
[85] 2018-05-08
[86] 2016-11-28 (PCT/EP2016/079043)
[87] (WO2017/093202)
[30] EP (15197380.7) 2015-12-01

---

[21] **3,004,627**
[13] A1
[51] **Int.Cl. A61F 2/82 (2013.01) A61B 17/221 (2006.01) A61F 2/01 (2006.01)**
[25] EN
[54] **IMPLANTABLE DEVICES CAPABLE OF SELECTIVE DEGRADATION**
[54] **DISPOSITIFS IMPLANTABLES APTES A SE DEGRADER SELECTIVEMENT**
[72] CULLY, EDWARD H., US
[72] VECCHIO, CHRISTOPHER J., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2018-05-07
[86] 2017-01-12 (PCT/US2017/013099)
[87] (WO2017/123694)
[30] US (62/277,713) 2016-01-12
[30] US (15/403,453) 2017-01-11

---

[21] **3,004,628**
[13] A1
[51] **Int.Cl. G01S 5/04 (2006.01) B66B 1/34 (2006.01) B66B 19/00 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **MONITORING AND/OR RECORDING A POSITION OF A TOOL IN AN ELEVATOR SHAFT**
[54] **CONTROLE ET/OU ETABLISSEMENT DE PROTOCOLE D'UNE POSITION D'UN OUTIL DANS UNE CAGE D'ASCENSEUR**
[72] STUDER, CHRISTIAN, CH
[72] ZIMMERLI, PHILIPP, CH
[72] KUSSEROW, MARTIN, CH
[71] INVENTIO AG, CH
[85] 2018-05-08
[86] 2016-12-01 (PCT/EP2016/079503)
[87] (WO2017/093438)
[30] EP (15197608.1) 2015-12-02

---

[21] **3,004,629**
[13] A1
[51] **Int.Cl. F24F 11/00 (2018.01) F24F 3/044 (2006.01) F24F 13/12 (2006.01) F24F 13/30 (2006.01)**
[25] EN
[54] **HVAC SYSTEM COMPRISING INDEPENDENTLY VARIABLE REFRIGERANT FLOW (VRF) AND VARIABLE AIR FLOW (VAF)**
[54] **SYSTEME CVC COMPRENANT UN FLUX DE REFRIGERANT VARIABLE (VRF) ET UN FLUX D'AIR VARIABLE (VAB) INDEPENDANTS**
[72] NELSON, JOHN, US
[71] ADDISON HVAC LLC, US
[85] 2018-05-07
[86] 2017-01-14 (PCT/US2017/013605)
[87] (WO2017/124055)
[30] US (62/279,193) 2016-01-15

---

[21] **3,004,630**
[13] A1
[51] **Int.Cl. C07F 15/00 (2006.01) A61K 33/24 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MONOMALEIMIDE-FUNCTIONALIZED PLATINUM COMPOUNDS FOR CANCER THERAPY**
[54] **COMPOSES DE PLATINE A FONCTION MONOMALEIMIDE POUR LE TRAITEMENT DU CANCER**
[72] KOWOL, CHRISTIAN, AT
[72] HEFFETER, PETRA, AT
[72] BERGER, WALTER, AT
[72] KEPPLER, BERNHARD K., AT
[72] MAYR, JOSEF, AT
[72] PICHLER, VERENA, AT
[71] MEDIZINISCHE UNIVERSITAT WIEN, AT
[71] UNIVERSITAT WIEN, AT
[85] 2018-05-08
[86] 2016-12-09 (PCT/EP2016/080453)
[87] (WO2017/097986)
[30] EP (15198739.3) 2015-12-09

---

[21] **3,004,631**
[13] A1
[51] **Int.Cl. A61K 39/09 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPLEX FOR ELICITING PROTECTIVE IMMUNITY AGAINST GROUP B STREPTOCOCCUS**
[54] **COMPLEXE IMMUNOGENE PROVOQUANT UNE IMMUNITE PROTECTRICE CONTRE UN STREPTOCOQUE DU GROUPE B**
[72] PEDERSEN FISCHER, PER BO, DK
[71] MINERVAX APS, DK
[85] 2018-05-08
[86] 2016-12-14 (PCT/EP2016/080927)
[87] (WO2017/114655)
[30] SE (1551723-8) 2015-12-30

[21] **3,004,632**
[13] A1
[51] **Int.Cl. C07H 19/056 (2006.01) A61K 31/70 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **POLYMORPHIC FORMS AND PROCESS**
[54] **FORMES POLYMORPHES ET PROCEDE**
[72] GRAVELLE, LISE, CA
[72] PEDERSEN, ANDERS, DK
[71] GALECTO BIOTECH AB, DK
[85] 2018-05-08
[86] 2016-12-16 (PCT/EP2016/081432)
[87] (WO2017/103109)
[30] EP (15201223.3) 2015-12-18

---

[21] **3,004,633**
[13] A1
[51] **Int.Cl. G06N 99/00 (2010.01)**
[25] EN
[54] **IN-SITU QUANTUM ERROR CORRECTION**
[54] **CORRECTION D'ERREURS QUANTIQUES IN SITU**
[72] KELLY, JULIAN SHAW, US
[71] GOOGLE LLC, US
[85] 2018-05-04
[86] 2015-11-06 (PCT/US2015/059481)
[87] (WO2017/078734)

---

[21] **3,004,636**
[13] A1
[51] **Int.Cl. A61K 31/7004 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR TREATING CANCER WITH APILIMOD**
[54] **BIOMARQUEURS DESTINES AU TRAITEMENT DU CANCER AU MOYEN D'APILIMOD**
[72] GAYLE, SOPHIA, US
[72] BEEHARRY, NEIL, US
[72] LANDRETTE, SEAN, US
[72] CONRAD, CHRIS, US
[72] BECKETT, PAUL, US
[72] HERNANDEZ, MARYLENS, US
[72] XU, TIAN, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2018-05-07
[86] 2017-01-20 (PCT/US2017/014308)
[87] (WO2017/127661)
[30] US (62/281,341) 2016-01-21

---

[21] **3,004,639**
[13] A1
[51] **Int.Cl. H04N 5/50 (2006.01) G06F 3/00 (2006.01) G06F 13/00 (2006.01) G09G 5/00 (2006.01) H04N 3/14 (2006.01) H04N 5/00 (2011.01) H04N 5/14 (2006.01) H04N 5/202 (2006.01) H04N 5/268 (2006.01) H04N 5/335 (2011.01) H04N 5/38 (2006.01) H04N 5/40 (2006.01) H04N 5/44 (2011.01) H04N 5/455 (2006.01) H04N 5/62 (2006.01) H04N 7/00 (2011.01) H04N 7/025 (2006.01) H04N 7/10 (2006.01) H04N 7/12 (2006.01) H04N 7/14 (2006.01) H04N 7/173 (2011.01) H04N 7/18 (2006.01) H04N 9/64 (2006.01) H04N 11/00 (2006.01) H04N 11/02 (2006.01) H04N 11/04 (2006.01) H04N 13/00 (2018.01)**
[25] EN
[54] **METHODOLOGIES AND APPARATUS FOR REDUCING DELAYS WHEN RECEIVING, PROCESSING, OR SWITCHING CONTENT**
[54] **METHODOLOGIES ET APPAREIL POUR REDUIRE DES RETARDS LORS DE LA RECEPTION, DU TRAITEMENT, OU DE LA COMMUTATION D'UN CONTENU**
[72] SHINTANI, PETER, US
[72] BLANCHARD, ROBERT, US
[71] SONY CORPORATION, JP
[85] 2018-05-07
[86] 2017-02-08 (PCT/US2017/016918)
[87] (WO2017/142754)
[30] US (15/048,276) 2016-02-19

---

[21] **3,004,641**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2006.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **CYCLIC PEPTIDES TARGETING .ALPHA.4.BETA.7 INTEGRIN**
[54] **PEPTIDES CYCLIQUES CIBLANT L'INTEGRINE A4S7**
[72] VAZQUEZ, MANUEL PEREZ, CA
[72] MORSHED, M. MONZUR, CA
[72] HICKEY, JENNIFER L., CA
[72] KAFAL, ADAM PAUL, CA
[72] GILLARD, JAMES, CA
[72] CHAKKA, SAI KUMAR, CA
[72] ROUGHTON, ANDREW L., CA
[72] POUPART, MARC-ANDRE, CA
[72] YANG, GAOQIANG, CA
[72] PATEL, NARENDRA, CA
[71] ENCYCLE THERAPEUTICS, INC., CA
[71] UNIVERSITE DE MONTREAL, CA
[85] 2018-05-08
[86] 2016-11-14 (PCT/CA2016/000274)
[87] (WO2017/079820)
[30] US (62/254,003) 2015-11-11

---

[21] **3,004,643**
[13] A1
[51] **Int.Cl. A61M 16/12 (2006.01) A61B 5/083 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **METHOD, APPARATUS AND SYSTEM FOR AUTOMATICALLY CONTROLLING INSPIRED OXYGEN DELIVERY**
[54] **PROCEDE, APPAREIL ET SYSTEME POUR COMMANDER AUTOMATIQUEMENT LA DISTRIBUTION D'OXYGENE INSPIRE**
[72] GALE, TIMOTHY JOHN, AU
[72] DARGAVILLE, PETER ANDERSON, AU
[71] UNIVERSITY OF TASMANIA, AU
[85] 2018-05-08
[86] 2016-11-10 (PCT/AU2016/051077)
[87] (WO2017/079798)
[30] AU (2015904621) 2015-11-10

[21] **3,004,644**
[13] A1
[51] **Int.Cl. H04N 21/84 (2011.01)**
[25] EN
[54] **METHOD FOR IMPLEMENTING PERSONALIZED PRESENTATION OF ASSOCIATED MULTIMEDIA CONTENT, AND APPLICATION**
[54] **PROCEDE DE MISE EN ŒUVRE DE PRESENTATION PERSONNALISEE DE CONTENU MULTIMEDIA ASSOCIE, ET APPLICATION**
[72] XU, YILING, CN
[72] ZHANG, WENJUN, CN
[72] ZHU, WENJIE, CN
[72] ZHANG, LIANGHUI, CN
[72] CHEN, HAO, CN
[72] LI, BO, CN
[72] SUN, JUN, CN
[72] LIU, NING, CN
[71] SHANGHAI JIAO TONG UNIVERSITY, CN
[85] 2018-05-08
[86] 2016-02-02 (PCT/CN2016/073167)
[87] (WO2016/127862)
[30] CN (201510080011.X) 2015-02-13
[30] CN (201510080580.4) 2015-02-13
[30] CN (201510401550.9) 2015-07-09
[30] CN (201510955611.6) 2015-12-17
[30] CN (201610031034.6) 2016-01-18

---

[21] **3,004,649**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) G05B 19/042 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTEGRATED MICROGRID MANAGEMENT SYSTEM IN ELECTRIC POWER SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR UN SYSTEME DE GESTION DE MICRO-RESEAU INTEGRE DANS DES SYSTEMES ELECTRIQUES**
[72] WONG, JOSHUA, CA
[72] TAI, CEDRIC, CA
[72] IRAVANI, REZA, CA
[72] GRAOVAC, MILAN, CA
[72] WANG, XIAOLIN, CA
[72] HARISUTHAN, SUBRAMANIAM, CA
[71] OPUS ONE SOLUTIONS ENERGY CORP., CA
[85] 2018-05-08
[86] 2016-12-07 (PCT/CA2016/051436)
[87] (WO2017/096477)
[30] US (14/961,326) 2015-12-07

---

[21] **3,004,650**
[13] A1
[51] **Int.Cl. H04W 4/06 (2009.01)**
[25] EN
[54] **DYNAMIC TIME WINDOW AND BUFFER MECHANISM IN HETEROGENEOUS NETWORK TRANSMISSION**
[54] **MECANISME A FENETRE TEMPORELLE ET TAMPON DYNAMIQUES EN EMISSION DE RESEAUX HETEROGENES**
[72] XU, YILING, CN
[72] ZHANG, WENJUN, CN
[72] WANG, CHENGZHI, CN
[72] SUN, JUN, CN
[72] GUAN, YUNFENG, CN
[72] HE, DAZHI, CN
[72] LIU, NING, CN
[71] SHANGHAI JIAO TONG UNIVERSITY, CN
[85] 2018-05-08
[86] 2016-02-02 (PCT/CN2016/073168)
[87] (WO2016/124130)
[30] CN (201510064427.2) 2015-02-06
[30] CN (201510341265.2) 2015-06-18
[30] CN (201510654384.3) 2015-10-10
[30] CN (201510698388.1) 2015-10-23

---

[21] **3,004,656**
[13] A1
[51] **Int.Cl. H04W 48/14 (2009.01) H04W 12/06 (2009.01) H04W 48/16 (2009.01) H04W 60/00 (2009.01) H04W 84/12 (2009.01)**
[25] EN
[54] **ELECTRONIC DEVICE, COMMUNICATION METHOD OF ELECTRONIC DEVICE, AND COMMUNICATION METHOD OF MOBILE TERMINAL**
[54] **DISPOSITIF ELECTRONIQUE, PROCEDE DE COMMUNICATION DE DISPOSITIF ELECTRONIQUE, ET PROCEDE DE COMMUNICATION DE TERMINAL MOBILE**
[72] YANG, HEE KYUNG, KR
[72] OH, HYUN CHEOL, KR
[72] CHOI, JI-HYOUK, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2018-05-04
[86] 2016-12-08 (PCT/KR2016/014374)
[87] (WO2017/116034)
[30] KR (10-2015-0187065) 2015-12-28

---

[21] **3,004,657**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 34/00 (2016.01) A61B 34/10 (2016.01) G06T 7/10 (2017.01) A61B 8/13 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **A SYSTEM COMPRISING INDICATOR FEATURES IN HIGH-RESOLUTION MICRO-ULTRASOUND IMAGES**
[54] **SYSTEME COMPRENANT DES ELEMENTS INDICATEURS DANS DES IMAGES MICRO-ECHOGRAPHIQUES A HAUTE RESOLUTION**
[72] WODLINGER, BRIAN, CA
[72] MCGRATH, THERESA, CA
[72] WEN, JERROLD, CA
[71] EXACT IMAGING, INC., CA
[85] 2018-05-08
[86] 2016-11-10 (PCT/CA2016/051313)
[87] (WO2017/079843)
[30] US (62/253,310) 2015-11-10

---

[21] **3,004,661**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) B60L 11/18 (2006.01)**
[25] FR
[54] **RECHARGING STATION FOR ELECTRIC PUBLIC TRANSPORT VEHICLE, AND FACILITY COMPRISING SUCH A STATION**
[54] **STATION DE RECHARGE POUR VEHICULE DE TRANSPORT EN COMMUN ELECTRIQUE ET INSTALLATION COMPRENANT UNE TELLE STATION**
[72] DERRIEN, MARC, FR
[72] LE BORGNE, MICHEL, FR
[71] BLUETRAM, FR
[85] 2018-05-08
[86] 2016-11-10 (PCT/EP2016/077355)
[87] (WO2017/092999)
[30] FR (1561617) 2015-11-30

[21] **3,004,662**
[13] A1
[51] **Int.Cl. C08F 2/06 (2006.01) C08F 2/00 (2006.01) C08F 6/00 (2006.01) C08F 6/12 (2006.01) C08J 11/02 (2006.01)**
[25] EN
[54] **A PROCESS AND APPARATUS FOR IN-LINE BLENDING OF POLYMERS**
[54] **PROCEDE ET APPAREIL POUR LE MELANGE DE POLYMERES EN LIGNE**
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] BERGSTRA, MICHIEL, BE
[72] ERIKSSON, ERIK, SE
[72] MATHIVANAN, GUHAN, AT
[72] RASANEN, JUKKA, FI
[72] SLEIJSTER, HENRY, NL
[72] VIJAY, SAMEER, AT
[72] WURNITSCH, CHRISTOF, AT
[72] ZITTING, SAMULI, FI
[72] KANELLOPOULOS, VASILEIOS, AT
[72] AHO, JANI, FI
[71] BOREALIS AG, AT
[85] 2018-05-08
[86] 2016-12-21 (PCT/EP2016/082207)
[87] (WO2017/108969)
[30] EP (15201460.1) 2015-12-21

---

[21] **3,004,663**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **BASKETBALL SHOOTING TRAINING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT DE LANCER DE BASKETBALL**
[72] LIAO, CHIEN-YI, CN
[71] LIAO, CHIEN-YI, CN
[85] 2018-05-08
[86] 2016-10-20 (PCT/CN2016/102695)
[87] (WO2017/088614)
[30] US (14/949,852) 2015-11-23

---

[21] **3,004,664**
[13] A1
[51] **Int.Cl. H05B 3/84 (2006.01) H01R 13/66 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR CONNECTING A FLAT BODY TO A VOLTAGE SUPPLY WITH AN EMBEDDED CONTROL UNIT**
[54] **SYSTEME POUR LE RACCORDEMENT D'UN CORPS PLAN A UNE TENSION D'ALIMENTATION, COMPRENANT UNE UNITE DE COMMANDE INTEGREE**
[72] WEBER, PATRICK, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-05-08
[86] 2017-01-24 (PCT/EP2017/051347)
[87] (WO2017/186360)
[30] EP (16167244.9) 2016-04-27

---

[21] **3,004,665**
[13] A1
[51] **Int.Cl. C12N 15/87 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **TRANSPOSON SYSTEM, KIT COMPRISING THE SAME, AND USES THEREOF**
[54] **SYSTEME DE TRANSPOSON, KIT LE COMPRENANT ET UTILISATIONS CORRESPONDANTES**
[72] WU, SAREINA CHIUNG-YUAN, CN
[71] GENOMEFRONTIER THERAPEUTICS, INC., GB
[85] 2018-05-08
[86] 2016-12-12 (PCT/CN2016/109510)
[87] (WO2017/101749)
[30] US (62/267,270) 2015-12-14

---

[21] **3,004,666**
[13] A1
[51] **Int.Cl. C21B 13/14 (2006.01) C21B 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING LIQUID PIG IRON**
[54] **PROCEDE DE PRODUCTION DE FONTE BRUTE LIQUIDE**
[72] MILLNER, ROBERT, AT
[72] PANHUBER, WOLFGANG, AT
[72] REIN, NORBERT, AT
[72] ROSENFELLNER, GERALD, AT
[72] WURM, JOHANN, AT
[72] HOLZLEITHNER, FRANZ, AT
[71] PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AT
[85] 2018-05-08
[86] 2017-04-26 (PCT/EP2017/059908)
[87] (WO2017/186782)
[30] EP (16167288.6) 2016-04-27

---

[21] **3,004,667**
[13] A1
[51] **Int.Cl. B42D 25/29 (2014.01) B42D 25/324 (2014.01) B42D 25/342 (2014.01) B42D 25/351 (2014.01) B42D 25/355 (2014.01) B42D 25/378 (2014.01) B42D 25/425 (2014.01) B42D 25/45 (2014.01) B42D 25/455 (2014.01) B42D 25/46 (2014.01) B42D 25/48 (2014.01) B41M 3/14 (2006.01)**
[25] EN
[54] **METHODS OF MANUFACTURING IMAGE ELEMENT ARRAYS FOR SECURITY DEVICES**
[54] **PROCEDES DE FABRICATION DE GROUPES D'ELEMENTS D'IMAGE POUR DISPOSITIFS DE SECURITE**
[72] GODFREY, JOHN, GB
[72] LISTER, ADAM, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2018-05-08
[86] 2016-11-07 (PCT/GB2016/053468)
[87] (WO2017/081447)
[30] GB (1520085.0) 2015-11-13

[21] **3,004,671**
[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) C07K 1/22 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **EPITOPE TAG AND METHOD FOR DETECTION, CAPTURE AND/OR PURIFICATION OF TAGGED POLYPEPTIDES**
[54] **MARQUEUR EPITOPE ET PROCEDE DE DETECTION, CAPTURE ET/OU PURIFICATION DE POLYPEPTIDES MARQUES**
[72] ROTHBAUER, ULRICH, DE
[72] POETZ, OLIVER, DE
[72] ROMER, TINA, DE
[72] BUCHFELLNER, ANDREA, DE
[72] YURLOVA, LARISA, DE
[72] ZOLGHADR, KOUROSH, DE
[72] BOGNER, JAQUELINE, DE
[72] RUF, BENJAMIN, DE
[72] LINKE-WINNEBECK, CHRISTIAN, DE
[72] METTERLEIN, MICHAEL, DE
[71] NMI NATURWISSENSCHAFTLICHES UND MEDIZINISCHES INSTITUT AN DER UNIVERSITAT TUBINGEN, DE
[71] CHROMOTEK GMBH, DE
[85] 2018-05-08
[86] 2016-11-15 (PCT/EP2016/077785)
[87] (WO2017/085086)
[30] EP (15194838.7) 2015-11-16

---

[21] **3,004,673**
[13] A1
[51] **Int.Cl. E03B 3/03 (2006.01) E03B 3/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE TO COLLECT WATER**
[54] **PROCEDE ET DISPOSITIF DE COLLECTE D'EAU**
[72] LARSON, RALF, NO
[71] QF TECHNOLOGIES AS, NO
[85] 2018-05-08
[86] 2015-11-13 (PCT/IB2015/002208)
[87] (WO2017/081505)

---

[21] **3,004,674**
[13] A1
[51] **Int.Cl. B65D 83/54 (2006.01) B65D 83/66 (2006.01)**
[25] EN
[54] **CANISTER AND VALVE**
[54] **FLACON ET VALVE**
[72] FRIEL, MICHAEL, GB
[71] AER BEATHA LIMITED, GB
[85] 2018-05-08
[86] 2016-11-03 (PCT/GB2016/053406)
[87] (WO2017/081443)
[30] GB (1519705.6) 2015-11-09
[30] GB (1605547.7) 2016-04-01

---

[21] **3,004,678**
[13] A1
[51] **Int.Cl. B65B 25/06 (2006.01) A23G 1/50 (2006.01) A23G 3/50 (2006.01) B65D 65/18 (2006.01) B65D 65/24 (2006.01) B65D 85/60 (2006.01)**
[25] EN
[54] **PACKAGING**
[54] **EMBALLAGE**
[72] ANDREWS, RICHARD, GB
[72] DOWN, MATTHEW, GB
[71] KRAFT FOODS R&D, INC., US
[85] 2018-05-08
[86] 2016-10-18 (PCT/IB2016/001544)
[87] (WO2017/089877)
[30] GB (GB1520742.6) 2015-11-24

---

[21] **3,004,679**
[13] A1
[51] **Int.Cl. C10G 1/06 (2006.01) C10G 1/08 (2006.01) C10G 3/00 (2006.01) C10G 45/06 (2006.01) C10G 45/10 (2006.01) C10G 45/48 (2006.01) C10G 45/52 (2006.01)**
[25] EN
[54] **CONVERSION OF BIOMASS INTO A LIQUID HYDROCARBON MATERIAL**
[54] **CONVERSION DE BIOMASSE SOLIDE EN UN MATERIAU HYDROCARBURE LIQUIDE**
[72] CHILKOOR SOUNDARARAJAN, LAXMI NARASIMHAN, IN
[72] MEHTA, DHAIRYA DILIP, IN
[72] URADE, VIKRANT NANASAHEB, IN
[72] DEL PAGGIO, ALAN ANTHONY, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-05-08
[86] 2016-11-21 (PCT/EP2016/078342)
[87] (WO2017/089312)
[30] IN (6290/CHE/2015) 2015-11-23

---

[21] **3,004,680**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED TRICYCLIC 1,4-BENZODIAZEPINONE DERIVATIVES AS ALLOSTERIC MODULATORS OF GROUP II METABOTROPIC GLUTAMATE RECEPTORS**
[54] **DERIVES DE 1,4-BENZODIAZEPINONE TRICYCLIQUES SUBSTITUES EN TANT QUE MODULATEURS ALLOSTERIQUES DES RECEPTEURS METABOTROPIQUES DU GLUTAMATE DU GROUPE II**
[72] SCHANN, STEPHAN, FR
[72] MAYER, STANISLAS, FR
[72] MANTEAU, BAPTISTE, FR
[71] MAVALON THERAPEUTICS LIMITED, GB
[85] 2018-05-08
[86] 2016-11-11 (PCT/GB2016/053550)
[87] (WO2017/081483)
[30] EP (15194611.8) 2015-11-13

[21] **3,004,682**
[13] A1
[51] **Int.Cl. A63B 71/12 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **PROTECTION DEVICE FOR CARRYING OUT SPORTS ACTIVITIES USABLE IN A DATA ANALYSIS AND MONITORING SYSTEM, AND RELATIVE SYSTEM AND METHOD FOR PROCESSING AND CALCULATING THE SENT DATA**
[54] **DISPOSITIF DE PROTECTION PERMETTANT DE REALISER DES ACTIVITES SPORTIVES ET POUVANT ETRE UTILISE DANS UN SYSTEME D'ANALYSE ET DE SURVEILLANCE DE DONNEES, ET SYSTEME ET PROCEDE ASSOCIES PERMETTANT DE TRAITER ET DE CALCULER LES DONNEES ENVOYEES**
[72] PAGLIERANI, PIETRO, CH
[72] BIANCALANA, ALBERTO, CH
[72] LA VECCHIA, GIUSTINIANO, CH
[72] BANCHINI, MARCO, CH
[71] GHST WORLD INC., CH
[85] 2018-05-08
[86] 2016-07-13 (PCT/IB2016/054182)
[87] (WO2017/081555)
[30] IT (UB2015A005574) 2015-11-13

---

[21] **3,004,689**
[13] A1
[51] **Int.Cl. G21G 1/00 (2006.01)**
[25] EN
[54] **NEW METHOD AND APPARATUS FOR THE PRODUCTION OF HIGH PURITY RADIONUCLIDES**
[54] **NOUVEAU PROCEDE ET APPAREIL POUR LA PRODUCTION DE RADIONUCLEIDES DE PURETE ELEVEE**
[72] TORGUE, JULIEN, US
[72] BOURDET, PATRICK, FR
[72] ANDREOLETTI, GILBERT, FR
[72] DUREAU, REMY, FR
[72] MAQUAIRE, PATRICK, FR
[71] ORANO MED, FR
[85] 2018-05-08
[86] 2016-11-22 (PCT/EP2016/078373)
[87] (WO2017/093069)
[30] EP (15306897.8) 2015-11-30

---

[21] **3,004,691**
[13] A1
[51] **Int.Cl. H01M 8/0271 (2016.01) F16J 15/10 (2006.01)**
[25] EN
[54] **METHOD FOR HANDLING CARRIER-FILM-EQUIPPED GASKET**
[54] **PROCEDE DE MANIPULATION DE JOINT EQUIPE D'UN FILM DE SUPPORT**
[72] NISHIMURA, TAKURO, JP
[72] YUI, HAJIME, JP
[72] OBA, KENICHI, JP
[71] NOK CORPORATION, JP
[85] 2018-05-08
[86] 2016-11-04 (PCT/JP2016/082737)
[87] (WO2017/082154)
[30] JP (2015-220279) 2015-11-10
[30] JP (2015-238295) 2015-12-07
[30] JP (2016-151710) 2016-08-02

---

[21] **3,004,693**
[13] A1
[51] **Int.Cl. E21B 10/38 (2006.01)**
[25] EN
[54] **WEIGHT-ON-BIT SELF-ADJUSTING DRILL BIT**
[54] **TREPAN DU TYPE A DIFFERENCE DE PRESSION AUTOADAPTATIF**
[72] GUAN, ZHICHUAN, CN
[72] LIU, YONGWANG, CN
[72] HU, HUAIGANG, CN
[72] GUAN, BEN, CN
[72] SHI, YUCAI, CN
[72] LIAO, HUALIN, CN
[71] CHINA UNIVERSITY OF PETROLEUM(EAST CHINA), CN
[85] 2018-05-08
[86] 2017-09-11 (PCT/CN2017/101196)
[87] (WO2018/036567)
[30] CN (201710041423.1) 2017-01-20

---

[21] **3,004,694**
[13] A1
[51] **Int.Cl. H02H 9/00 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR SWITCHING ON A POWER TRANSFORMER**
[54] **PROCEDE ET DISPOSITIF DE MISE SOUS TENSION D'UN TRANSFORMATEUR DE PUISSANCE**
[72] AIT ABDELMALEK, FARID, FR
[72] FANGET, ALAIN, FR
[72] BORDES, JULIEN, FR
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2018-05-08
[86] 2016-11-22 (PCT/EP2016/078444)
[87] (WO2017/089346)
[30] FR (15 61237) 2015-11-23

---

[21] **3,004,696**
[13] A1
[51] **Int.Cl. C07K 5/02 (2006.01) A61K 31/41 (2006.01) A61K 51/06 (2006.01) A61K 51/08 (2006.01) C07D 257/02 (2006.01) C07K 5/072 (2006.01) G01N 33/574 (2006.01) G01N 33/60 (2006.01)**
[25] EN
[54] **PEPTIDE THIOUREA DERIVATIVE, RADIOISOTOPE LABELED COMPOUND CONTAINING SAME, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AS ACTIVE INGREDIENT FOR TREATING OR DIAGNOSING PROSTATECANCER**
[54] **DERIVE PEPTIDIQUE DE THIO-UREE, COMPOSE MARQUE PAR UN RADIO-ISOTOPE LE CONTENANT ET COMPOSITION PHARMACEUTIQUE LE CONTENANT EN TANT QUE PRINCIPE ACTIF POUR LE TRAITEMENT OU LE DIAGNOSTIC DU CANCER DE LA PROSTATE**
[72] JEONG, JAE MIN, KR
[72] MOON, SUNG-HYUN, KR
[72] LEE, YUN-SANG, KR
[71] CELLBION CO,. LTD, KR
[85] 2018-05-08
[86] 2016-11-09 (PCT/KR2016/012849)
[87] (WO2017/082620)
[30] KR (10-2015-0156536) 2015-11-09

[21] **3,004,699**
[13] A1
[51] **Int.Cl. F41H 1/02 (2006.01)**
[25] EN
[54] **PROTECTIVE ARMOUR GEAR**
[54] **EQUIPEMENT DE BLINDAGE DE PROTECTION**
[72] JONASSEN, TOM, NO
[72] HANSEN, PAL FRANCIS, NO
[71] MISSINGEN SERVICES AS, NO
[85] 2018-05-08
[86] 2016-11-14 (PCT/NO2016/050228)
[87] (WO2017/086800)
[30] NO (20151563) 2015-11-16

---

[21] **3,004,700**
[13] A1
[51] **Int.Cl. G10L 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR FORMING THE EXCITATION SIGNAL FOR A GLOTTAL PULSE MODEL BASED PARAMETRIC SPEECH SYNTHESIS SYSTEM**
[54] **PROCEDE PERMETTANT DE FORMER LE SIGNAL D'EXCITATION POUR UN SYSTEME DE SYNTHESE VOCALE PARAMETRIQUE BASE SUR UN MODELE D'IMPULSION GLOTTALE**
[72] DACHIRAJU, RAJESH, IN
[72] RAGHAVENDRA, E. VEERA, IN
[72] GANAPATHIRAJU, ARAVIND, IN
[71] INTERACTIVE INTELLIGENCE GROUP, INC., US
[85] 2018-05-08
[86] 2015-10-06 (PCT/US2015/054122)
[87] (WO2017/061985)

---

[21] **3,004,706**
[13] A1
[51] **Int.Cl. E21B 21/06 (2006.01) C09K 8/02 (2006.01) E21B 49/08 (2006.01)**
[25] EN
[54] **IN-LINE METHODS AND APPARATUSES FOR DETERMINING THE COMPOSITION OF AN EMULSIFIED DRILLING FLUID**
[54] **PROCEDES ET APPAREILS EN LIGNE POUR LA DETERMINATION DE LA COMPOSITION D'UN FLUIDE DE FORAGE EMULSIONNE**
[72] KLEINGUETL, KEVIN GREGORY, US
[72] JAMISON, DALE E., US
[72] FOWLER, DREW A., US
[72] JACKSON, BRICE AARON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-08
[86] 2016-02-02 (PCT/US2016/016158)
[87] (WO2017/135930)

---

[21] **3,004,709**
[13] A1
[51] **Int.Cl. B65D 88/26 (2006.01) B65D 90/12 (2006.01) B65D 90/54 (2006.01)**
[25] EN
[54] **SEMI-RIGID BULK MATERIAL STORAGE CONTAINER**
[54] **RECIPIENT DE STOCKAGE DE MATERIAU EN VRAC SEMI-RIGIDE**
[72] LUCAS, BRYAN CHAPMAN, US
[72] STEGEMOELLER, CALVIN L., US
[72] WARREN, WESLEY JOHN, US
[72] SCHAFFNER, AUSTIN CARL, US
[72] HUNTER, TIM H., US
[72] LEWIS, BRYAN JOHN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-05-08
[86] 2016-02-26 (PCT/US2016/019689)
[87] (WO2017/146715)

---

[21] **3,004,711**
[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **SORTATION SYSTEMS AND METHODS FOR PROVIDING SORTATION OF A VARIETY OF OBJECTS**
[54] **SYSTEMES DE TRI ET PROCEDES POUR ASSURER LE TRI DE DIVERS OBJETS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY INC., US
[85] 2018-05-04
[86] 2016-11-10 (PCT/US2016/061414)
[87] (WO2017/083574)
[30] US (62/255,069) 2015-11-13
[30] US (62/277,234) 2016-01-11

---

[21] **3,004,713**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/63 (2006.01) C12N 15/66 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING HUNTINGTON'S DISEASE AND RELATED DISORDERS**
[54] **COMPOSITIONS ET METHODES POUR TRAITER LA MALADIE DE HUNTINGTON ET LES TROUBLES APPARENTES**
[72] DAVIDSON, BEVERLY L., US
[72] MONTEYS, ALEJANDRO MAS, US
[72] EBANKS, SHAUNA, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2018-05-08
[86] 2016-10-11 (PCT/US2016/056417)
[87] (WO2017/062983)
[30] US (62/239,714) 2015-10-09
[30] US (62/352,788) 2016-06-21

[21] **3,004,714**
[13] A1
[51] **Int.Cl. C07D 207/16 (2006.01) C07C 223/02 (2006.01) C07C 237/06 (2006.01) C07C 259/06 (2006.01) C07C 271/18 (2006.01) C07C 271/22 (2006.01) C07D 487/04 (2006.01) C07K 1/04 (2006.01) C07K 1/06 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **FRAGMENT SYNTHESIS OF CYCLIC PEPTIDES**
[54] **SYNTHESE DE FRAGMENTS DE PEPTIDES CYCLIQUES**
[72] VAZQUEZ, MANUEL PEREZ, CA
[72] MORSHED, M. MONZUR, CA
[72] HICKEY, JENNIFER L., CA
[72] POUPART, MARC-ANDRE, CA
[72] YANG, GAOQIANG, CA
[72] GILLARD, JAMES, CA
[72] KAFAL, ADAM PAUL, CA
[72] ROUGHTON, ANDREW L., CA
[71] ENCYCLE THERAPEUTICS, INC., CA
[71] UNIVERSITE DE MONTREAL, CA
[85] 2018-05-08
[86] 2016-11-14 (PCT/CA2016/000275)
[87] (WO2017/079821)

---

[21] **3,004,715**
[13] A1
[51] **Int.Cl. H04N 21/422 (2011.01) H04N 21/431 (2011.01) H04N 21/482 (2011.01) G06F 3/048 (2013.01)**
[25] EN
[54] **TELEVISION USER INTERFACE**
[54] **INTERFACE UTILISATEUR DE TELEVISION**
[72] COENEN, ROB, GB
[72] HEANLEY, JULIEN, GB
[71] SKY CP LIMITED, GB
[85] 2018-05-08
[86] 2016-11-08 (PCT/GB2016/053492)
[87] (WO2017/081455)
[30] GB (1519754.4) 2015-11-09

---

[21] **3,004,722**
[13] A1
[51] **Int.Cl. A23L 33/10 (2016.01) A23L 33/12 (2016.01) A23L 33/135 (2016.01) A23L 33/18 (2016.01) A23L 33/19 (2016.01) A23L 33/21 (2016.01) A61P 37/00 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITIONS COMPRISING LACTOBACILLUS RHAMNOSUS GG, AS WELL AS DIETARY BUTYRATE AND/OR A COMPOUND FOR STIMULATING FORMATION OF ENDOGENOUS BUTYRATE**
[54] **COMPOSITIONS NUTRITIONNELLES COMPRENANT DU LACTOBACILLUS RHAMNOSUS GG, AINSI QUE DU BUTYRATE DIETETIQUE ET/OU UN COMPOSE DESTINE A STIMULER LA FORMATION DE BUTYRATE ENDOGENE**
[72] LAMBERS, TEARTSE TIM, NL
[72] VAN TOL, ERIC A.F., NL
[72] GONZALEZ, JUAN M., US
[71] MJN U.S. HOLDINGS LLC, US
[85] 2018-05-08
[86] 2016-10-19 (PCT/US2016/057644)
[87] (WO2017/083068)
[30] US (14/936,014) 2015-11-09
[30] US (14/959,107) 2015-12-04
[30] US (15/011,797) 2016-02-01

---

[21] **3,004,726**
[13] A1
[51] **Int.Cl. B23K 9/133 (2006.01) B65H 51/30 (2006.01)**
[25] EN
[54] **WIRE FEEDER FOR WELDING**
[54] **DEVIDOIR DE FIL POUR SOUDAGE**
[72] LAHTI, THOMAS D., US
[72] BEESON, RICHARD, US
[72] GIESE, WILLIAM, US
[72] MILLER, ERIK, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2018-05-08
[86] 2016-10-20 (PCT/US2016/057913)
[87] (WO2017/087120)
[30] US (14/943,249) 2015-11-17
[30] US (62/322,933) 2016-04-15
[30] US (15/293,773) 2016-10-14

---

[21] **3,004,729**
[13] A1
[51] **Int.Cl. C10M 135/24 (2006.01) C07C 323/12 (2006.01) C08K 5/00 (2006.01)**
[25] EN
[54] **LUBRICATING COMPOSITION COMPRISING THIOETHER-SUBSTITUTED PHENOLIC COMPOUND**
[54] **COMPOSITION LUBRIFIANTE COMPRENANT UN COMPOSE PHENOLIQUE A SUBSTITUTION THIOETHER**
[72] ZHANG, YANSHI, US
[72] HANTHORN, JASON J., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2018-05-08
[86] 2016-11-08 (PCT/US2016/060891)
[87] (WO2017/083243)
[30] US (62/253,821) 2015-11-11

---

[21] **3,004,736**
[13] A1
[51] **Int.Cl. A61B 17/62 (2006.01) A61B 17/64 (2006.01) A61B 17/66 (2006.01)**
[25] EN
[54] **CIRCULAR FIXATOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FIXATEUR CIRCULAIRE**
[72] ROBINSON, CHRIS, US
[72] WONG, KIAN-MING, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2018-05-08
[86] 2016-10-06 (PCT/US2016/055747)
[87] (WO2017/083033)
[30] US (62/254,489) 2015-11-12

[21] **3,004,737**
[13] A1
[51] **Int.Cl. A23L 33/10 (2016.01) A23L 33/12 (2016.01) A23L 33/135 (2016.01) A23L 33/18 (2016.01) A23L 33/19 (2016.01) A23L 33/21 (2016.01) A61P 37/00 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITIONS CONTAINING BUTYRATE AND USES THEREOF**
[54] **COMPOSITIONS NUTRITIONNELLES CONTENANT DU BUTYRATE ET UTILISATIONS DE CELLES-CI**
[72] GONZALEZ, JUAN M., US
[72] LAMBERS, TEARTSE TIM, NL
[72] VAN TOL, ERIC A.F., NL
[71] MJN U.S. HOLDINGS LLC, US
[85] 2018-05-08
[86] 2016-10-19 (PCT/US2016/057641)
[87] (WO2017/083067)
[30] US (14/936,014) 2015-11-09
[30] US (14/959,107) 2015-12-04
[30] US (15/011,797) 2016-02-01

[21] **3,004,738**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) C12N 5/09 (2010.01)**
[25] EN
[54] **MODIFIED IMMUNE CELLS AND USES THEREOF**
[54] **CELLULES IMMUNITAIRES MODIFIEES ET LEURS UTILISATIONS**
[72] POZNANSKY, MARK C., US
[72] PERITT, DAVID, US
[72] REEVES, PATRICK, US
[71] APERISYS, INC., US
[71] THE GENERAL HOSPITAL CORPORATION D.B.A MASSACHUSETTS GENERAL HOSPITAL, US
[85] 2018-05-08
[86] 2016-11-09 (PCT/US2016/061207)
[87] (WO2017/083441)
[30] US (62/253,021) 2015-11-09
[30] US (62/253,072) 2015-11-09
[30] US (62/253,093) 2015-11-09
[30] US (62/253,096) 2015-11-09
[30] US (62/327,877) 2016-04-26

[21] **3,004,739**
[13] A1
[51] **Int.Cl. G06F 19/00 (2018.01) G06Q 40/08 (2012.01) G06Q 50/22 (2018.01) G06F 21/32 (2013.01) G06F 21/60 (2013.01) G06K 19/07 (2006.01)**
[25] EN
[54] **MULTI-APPLICATION PERSONAL HEALTH RECORD MICROPROCESSOR CARD**
[54] **CARTE A MICROPROCESSEUR DE DOSSIER MEDICAL PERSONNEL MULTI-APPLICATIONS**
[72] FREEDMAN, ALIX MICHAEL, CA
[71] FREEDMAN, ALIX MICHAEL, CA
[85] 2017-09-07
[86] 2016-03-10 (PCT/CA2016/000069)
[87] (WO2016/141457)
[30] CA (2,884,544) 2015-03-10
[30] US (62/135,285) 2015-03-19

[21] **3,004,740**
[13] A1
[51] **Int.Cl. A23L 33/10 (2016.01) A23L 33/12 (2016.01) A23L 33/135 (2016.01) A23L 33/18 (2016.01) A23L 33/19 (2016.01) A23L 33/21 (2016.01) A61P 37/00 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITIONS COMPRISING A CASEIN HYDROLYSATE, AS WELL AS DIETARY BUTYRATE AND/OR A COMPOUND FOR STIMULATING FORMATION OF ENDOGENOUS BUTYRATE**
[54] **COMPOSITIONS NUTRITIONNELLES COMPRENANT UN HYDROLYSAT DE CASEINE, AINSI QUE DU BUTYRATE ALIMENTAIRE ET/OU UN COMPOSE POUR STIMULER LA FORMATION DE BUTYRATE ENDOGENE**
[72] LAMBERS, TEARTSE TIM, NL
[72] VAN TOL, ERIC A.F., NL
[72] GONZALEZ, JUAN M., US
[71] MJN U.S. HOLDINGS LLC, US
[85] 2018-05-08
[86] 2016-10-19 (PCT/US2016/057646)
[87] (WO2017/083069)
[30] US (14/936,014) 2015-11-09
[30] US (14/959,107) 2015-12-04
[30] US (15/011,797) 2016-02-01

[21] **3,004,741**
[13] A1
[51] **Int.Cl. A61K 31/4706 (2006.01) A61K 31/445 (2006.01) A61K 31/575 (2006.01) A61K 31/7076 (2006.01) A61K 33/24 (2006.01)**
[25] EN
[54] **NOVEL METHODS OF TREATING HEARING LOSS**
[54] **NOUVELLES METHODES DE TRAITEMENT DE LA PERTE AUDITIVE**
[72] SHERR, ELLIOTT, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-05-08
[86] 2016-10-22 (PCT/US2016/058348)
[87] (WO2017/074830)
[30] US (62/246,425) 2015-10-26

[21] **3,004,742**
[13] A1
[51] **Int.Cl. C07K 14/52 (2006.01) A61K 38/16 (2006.01) A61K 48/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR EXPRESSION OF MULTIPLE BIOLOGICALLY ACTIVE POLYPEPTIDES FROM A SINGLE VECTOR FOR TREATMENT OF CARDIAC CONDITIONS AND OTHER PATHOLOGIES**
[54] **COMPOSITIONS ET PROCEDES D'EXPRESSION DE MULTIPLES POLYPEPTIDES BIOLOGIQUEMENT ACTIFS A PARTIR D'UN SEUL VECTEUR POUR LE TRAITEMENT D'AFFECTIONS ET AUTRES PATHOLOGIES CARDIAQUES**
[72] PATEL, DIMKI S., US
[72] PATEL, AMIT N., US
[71] INTREXON CORPORATION, US
[85] 2018-05-08
[86] 2016-11-11 (PCT/US2016/061668)
[87] (WO2017/083750)
[30] US (62/254,139) 2015-11-11

[21] **3,004,743**
[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **HUMANIZED ANTI-CLL-1 ANTIBODIES**
[54] **ANTICORPS ANTI-CLL-1 HUMANISES**
[72] JIANG, YING-PING, US
[72] JUNUTULA, JAGATH R., US
[72] PRESTA, LEONARD G., US
[72] TSURUSHITA, NAOYA, US
[71] CELLERANT THERAPEUTICS, INC., US
[85] 2018-05-08
[86] 2016-11-22 (PCT/US2016/063407)
[87] (WO2017/091615)
[30] US (62/259,100) 2015-11-24

---

[21] **3,004,744**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING LOYALTY REWARDS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE RECOMPENSES DE FIDELITE**
[72] KEDZLIE, IAIN, GB
[72] CHAUHAN, ROHIT, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-05-08
[86] 2016-11-04 (PCT/US2016/060446)
[87] (WO2017/083182)
[30] US (14/938,603) 2015-11-11

---

[21] **3,004,745**
[13] A1
[51] **Int.Cl. A61F 6/00 (2006.01) A61F 6/02 (2006.01) A61F 6/20 (2006.01) A61F 6/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR VAS-OCCLUSIVE CONTRACEPTION AND REVERSAL THEREOF**
[54] **COMPOSITIONS ET PROCEDES POUR CONTRACEPTION PAR OCCLUSION DU CANAL DEFERENT ET INVERSION DE CELLE-CI**
[72] HERR, JOHN C., US
[72] KLIBANOV, ALEXANDER L., US
[72] EISENFRATS, KEVIN SIMON, US
[71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US
[85] 2018-05-08
[86] 2016-11-11 (PCT/US2016/061671)
[87] (WO2017/083753)
[30] US (62/254,381) 2015-11-12
[30] US (62/369,807) 2016-08-02

---

[21] **3,004,746**
[13] A1
[51] **Int.Cl. A61K 31/327 (2006.01) A61K 31/717 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **NOVEL FORMULATIONS**
[54] **NOUVELLES FORMULATIONS**
[72] SHALVIRI, ALIREZA, US
[72] CLARKE, MARTYN J., US
[71] GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC, US
[85] 2018-05-08
[86] 2016-11-08 (PCT/US2016/060924)
[87] (WO2017/083266)
[30] US (62/252,724) 2015-11-09

---

[21] **3,004,747**
[13] A1
[51] **Int.Cl. A01N 43/90 (2006.01) A01N 25/00 (2006.01) A01N 37/46 (2006.01) A01N 37/50 (2006.01) A01N 43/56 (2006.01) A01N 43/653 (2006.01) A01N 43/82 (2006.01) A01N 43/88 (2006.01) A01N 47/24 (2006.01) A01N 51/00 (2006.01) A01N 63/02 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS CONTAINING DERIVATIVES OF 2,4-DIOXO-1,4-DIHYDROTHIENO[2,3-D]PYRIMIDINE**
[54] **COMPOSITIONS FONGICIDES CONTENANT DES DERIVES DE 2,4-DIOXO-1,4-DIHYDROTHIENO[2,3-D] PYRIMIDINE**
[72] BENNETT, JENNIFER LYNN, US
[72] FITZSIMMONS, KAREN C., US
[72] GHOSH, SHOMIR, US
[72] GREENWOOD, JEREMY ROBERT, US
[72] HAAKENSON, WILLIAM P., JR., US
[72] HARRIMAN, GERALDINE C., US
[72] LEIT DE MORADEI, SILVANA MARCEL, US
[72] SHORTT, BARRY J., US
[72] SLOMCZYNSKA, URSZULA J., US
[72] STEIN, JEFFREY MICHAEL, US
[71] GILEAD APOLLO, LLC, US
[85] 2018-05-08
[86] 2016-11-22 (PCT/US2016/063424)
[87] (WO2017/091627)
[30] US (62/259,935) 2015-11-25

[21] **3,004,749**
[13] A1
[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **CONNECTION FOR A WELDING POWER SUPPLY REMOTE INTERFACE AND METHOD FOR ASSEMBLING SUCH A CONNECTION**
[54] **RACCORD POUR INTERFACE DISTANTE D'ALIMENTATION ELECTRIQUE DE SOUDAGE ET PROCEDE D'ASSEMBLAGE D'UN TEL RACCORD**
[72] CHRISTOPHER, MARK RICHARD, US
[72] LUNDIN, JOHN WALTER, US
[72] WILSON, TROY DOUGLAS, US
[72] REITMEYER, TIM JAY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2018-05-08
[86] 2016-11-08 (PCT/US2016/060981)
[87] (WO2017/083299)
[30] US (62/253,102) 2015-11-09
[30] US (15/339,100) 2016-10-31

---

[21] **3,004,751**
[13] A1
[51] **Int.Cl. A47C 21/06 (2006.01)**
[25] EN
[54] **SUPINE PATIENT TRANSFER PACKAGE**
[54] **ENSEMBLE DE TRANSFERT DE PATIENT COUCHE**
[72] SCHIRO, PATRICIA, US
[71] LATERAL PREP, LLC, US
[85] 2018-05-08
[86] 2016-11-23 (PCT/US2016/063508)
[87] (WO2017/091677)
[30] US (14/951,039) 2015-11-24

---

[21] **3,004,752**
[13] A1
[51] **Int.Cl. A01H 1/04 (2006.01) A01H 3/00 (2006.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **NOVEL PEPPERS WITH UNIQUE AROMA AND TASTE**
[54] **NOUVEAUX PIMENTS AYANT UN AROME ET UN GOUT UNIQUES**
[72] CHAUDHURI, SWAPAN K., US
[72] CONSTANT, HOWARD L., US
[72] GARVEY, GRAEME S., US
[72] JUST, BRIAN J., US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[85] 2018-05-08
[86] 2016-12-02 (PCT/US2016/064807)
[87] (WO2017/096294)
[30] US (62/261,951) 2015-12-02

---

[21] **3,004,753**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 7/02 (2006.01) A61P 37/02 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CONDITIONS ASSOCIATED WITH MASP-2 DEPENDENT COMPLEMENT ACTIVATION**
[54] **METHODES DE TRAITEMENT D'ETATS PATHOLOGIQUES ASSOCIES A UNE ACTIVATION DU COMPLEMENT DEPENDANT DE MASP-2**
[72] DEMOPULOS, GREGORY A., US
[72] DUDLER, THOMAS, US
[72] SCHWAEBLE, HANS-WILHELM, GB
[71] OMEROS CORPORATION, US
[71] UNIVERSITY OF LEICESTER, GB
[85] 2018-05-08
[86] 2016-11-09 (PCT/US2016/061113)
[87] (WO2017/083371)
[30] US (62/252,814) 2015-11-09
[30] US (62/406,726) 2016-10-11

---

[21] **3,004,755**
[13] A1
[51] **Int.Cl. H04W 12/08 (2009.01) H04W 12/06 (2009.01)**
[25] EN
[54] **MOBILE OPERATOR-MEDIATED TELEPHONY-OVER-DATA SYSTEM AND IMPLEMENTATION, AND MOBILE SMARTPHONE-OVER-DATA DEVICE AND COMPUTER-IMPLEMENTED ENVIRONMENT THEREFOR**
[54] **SYSTEME ET MISE EN □UVRE DE TELEPHONIE SUR RESEAU DE DONNEES PAR L'INTERMEDIAIRE D'OPERATEUR MOBILE ET DISPOSITIF DE TELEPHONE MOBILE INTELLIGENT SUR RESEAU DE DONNEES ET ENVIRONNEMENT MIS EN □UVRE PAR ORDINATEUR ASSOCIE**
[72] LALIBERTE, BENOIT, CA
[71] INVESTEL CAPITAL CORPORATION, CA
[85] 2018-05-09
[86] 2015-10-30 (PCT/CA2015/051119)
[87] (WO2016/074072)
[30] CA (2871247) 2014-11-10
[30] CA (2871249) 2014-11-10
[30] CA (2871283) 2014-11-10
[30] CA (2871290) 2014-11-10

---

[21] **3,004,757**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/113 (2010.01) C12N 15/11 (2006.01)**
[25] EN
[54] **ENGINEERED NUCLEIC-ACID TARGETING NUCLEIC ACIDS**
[54] **ACIDES NUCLEIQUES MANIPULES CIBLANT DES ACIDES NUCLEIQUES**
[72] DONOHOUE, PAUL DANIEL, US
[72] MAY, ANDREW PAUL, US
[71] CARIBOU BIOSCIENCES, INC., US
[85] 2018-05-08
[86] 2016-12-02 (PCT/US2016/064860)
[87] (WO2017/096328)
[30] US (62/263,232) 2015-12-04

[21] **3,004,758**
[13] A1
[51] **Int.Cl. A61H 1/02 (2006.01)**
[25] EN
[54] **LOCOMOTION ASSISTANCE MEANS**
[54] **MOYEN D'AIDE A LA LOCOMOTION**
[72] WILMINGTON, GUY, AU
[71] WILMINGTON, GUY, AU
[85] 2018-05-09
[86] 2016-11-03 (PCT/AU2016/051042)
[87] (WO2017/079788)
[30] AU (2015904580) 2015-11-09

---

[21] **3,004,760**
[13] A1
[51] **Int.Cl. G01R 33/02 (2006.01)**
[25] EN
[54] **3D MEMS MAGNETOMETER AND ASSOCIATED METHODS**
[54] **MAGNETOMETRE DE SYSTEME MICRO ELECTROMECANIQUE (MEMS) 3D ET PROCEDES ASSOCIES**
[72] BOYSEL, ROBERT MARK, CA
[71] MOTION ENGINE INC., CA
[85] 2018-05-09
[86] 2015-12-02 (PCT/CA2015/051259)
[87] (WO2016/090467)
[30] US (62/089,502) 2014-12-09

---

[21] **3,004,761**
[13] A1
[51] **Int.Cl. F22G 7/14 (2006.01) E21B 43/24 (2006.01) F22B 1/18 (2006.01) F22B 29/00 (2006.01) F22B 37/22 (2006.01) F22B 37/34 (2006.01)**
[25] EN
[54] **MULTI-CIRCULATION HEAT RECOVERY STEAM GENERATOR FOR ENHANCED OIL RECOVERY/STEAM ASSISTED GRAVITY DRAINAGE**
[54] **GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR A CIRCULATION MULTIPLE POUR RECUPERATION AMELIOREE DE PETROLE/DRAINAGE PAR GRAVITE A L'AIDE DE VAPEUR**
[72] BARKER, GARY, CA
[72] CHEN, DONG, CA
[72] FLEMING, JONATHAN, CA
[72] MACKENZIE, COLIN MALCOLM, CA
[71] BABCOCK & WILCOX POWER GENERATION GROUP CANADA CORP., CA
[85] 2018-05-08
[86] 2016-11-09 (PCT/US2016/061126)
[87] (WO2017/083378)
[30] US (62/253,104) 2015-11-09
[30] US (15/347,209) 2016-11-09

---

[21] **3,004,762**
[13] A1
[51] **Int.Cl. A01N 43/84 (2006.01) A01N 37/26 (2006.01)**
[25] EN
[54] **FLUMIOXAZIN COMPOSITIONS**
[54] **COMPOSITIONS DE FLUMIOXAZINE**
[72] BYRNE, THOMAS, US
[72] BRUSS, ROBERT, US
[72] PIKE, BRIAN, US
[72] KOVAR, JEROME, US
[71] NUFARM AMERICAS, INC., US
[85] 2018-05-08
[86] 2016-11-09 (PCT/US2016/061164)
[87] (WO2017/083409)
[30] US (62/253,477) 2015-11-10

---

[21] **3,004,763**
[13] A1
[51] **Int.Cl. B81B 7/02 (2006.01) B81B 3/00 (2006.01) G01C 21/16 (2006.01) H01L 23/48 (2006.01)**
[25] EN
[54] **3D MEMS DEVICE WITH HERMETIC CAVITY**
[54] **DISPOSITIF MEMS 3D A CAVITE HERMETIQUE**
[72] BOYSEL, ROBERT MARK, CA
[71] MOTION ENGINE INC., CA
[85] 2018-05-09
[86] 2016-01-14 (PCT/CA2016/050031)
[87] (WO2016/112463)
[30] US (62/103,825) 2015-01-15
[30] US (62/138,161) 2015-03-25

---

[21] **3,004,764**
[13] A1
[51] **Int.Cl. H03H 7/46 (2006.01)**
[25] EN
[54] **MULTIPLEXER DESIGN USING A 2D PASSIVE ON GLASS FILTER INTEGRATED WITH A 3D THROUGH GLASS VIA FILTER**
[54] **CONCEPTION DE MULTIPLEXEUR UTILISANT UN FILTRE PASSIF 2D SUR VERRE INTEGRE A UN FILTRE 3D A TROU D'INTERCONNEXION TRAVERSANT LE VERRE**
[72] YUN, CHANGHAN HOBIE, US
[72] KIM, DAEIK DANIEL, US
[72] VELEZ, MARIO FRANCISCO, US
[72] ZUO, CHENGJIE, US
[72] BERDY, DAVID FRANCIS, US
[72] KIM, JONGHAE, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-08
[86] 2016-12-05 (PCT/US2016/064962)
[87] (WO2017/116616)
[30] US (62/271,893) 2015-12-28
[30] US (15/067,106) 2016-03-10

[21] **3,004,766**
[13] A1
[51] **Int.Cl. F16B 43/00 (2006.01) F16B 31/00 (2006.01) F16B 39/24 (2006.01)**
[25] EN
[54] **MULTIFUNCTION REACTION WASHER AND STACK ACCESSED BY SLIM REACTION SOCKET**
[54] **RONDELLE DE REACTION MULTIFONCTION ET EMPILEMENT ACCESSIBLE PAR UNE FINE DOUILLE DE REACTION**
[72] SCHNEEBERGER, JOHANNES P., US
[72] DAVIS, JOHN D., US
[71] SCHNEEBERGER, JOHANNES P., US
[85] 2018-05-04
[86] 2016-11-04 (PCT/US2016/060714)
[87] (WO2017/079685)
[30] US (14/932,768) 2015-11-04

---

[21] **3,004,768**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01) B01D 53/053 (2006.01)**
[25] EN
[54] **SURGE TANK DESIGN FOR PRESSURE SWING ADSORPTION PLANTS**
[54] **CONCEPTION DE RESERVOIR D'EQUILIBRE POUR USINES D'ADSORPTION MODULEE EN PRESSION**
[72] AYASKANTA, ARYA, US
[72] BELANGER, PAUL W., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2018-05-08
[86] 2016-10-27 (PCT/US2016/059018)
[87] (WO2017/083108)
[30] US (62/253,373) 2015-11-10

---

[21] **3,004,769**
[13] A1
[51] **Int.Cl. H04N 19/86 (2014.01) H04N 19/10 (2014.01)**
[25] EN
[54] **HIGH DYNAMIC RANGE COLOR CONVERSION CORRECTION**
[54] **PLAGE DYNAMIQUE ELEVEE DE CORRECTION DE CONVERSION DE COULEUR**
[72] NORKIN, ANDREY, US
[71] NETFLIX, INC., US
[85] 2018-05-08
[86] 2016-11-09 (PCT/US2016/061190)
[87] (WO2017/083426)
[30] US (62/253,098) 2015-11-09
[30] US (62/256,080) 2015-11-16
[30] US (15/179,857) 2016-06-10

---

[21] **3,004,770**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **TEMPORAL OFFSET ESTIMATION**
[54] **ESTIMATION DE DECALAGE TEMPOREL**
[72] CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR, US
[72] ATTI, VENKATRAMAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-05-08
[86] 2016-12-09 (PCT/US2016/065869)
[87] (WO2017/106039)
[30] US (62/269,796) 2015-12-18
[30] US (15/372,802) 2016-12-08

---

[21] **3,004,771**
[13] A1
[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **RETRACTABLE SYRINGE**
[54] **SERINGUE RETRACTABLE**
[72] WALSH, ALLAN, AU
[71] GLOBAL MEDISAFE HOLDINGS LTD, AU
[85] 2018-05-09
[86] 2016-11-18 (PCT/AU2016/051119)
[87] (WO2017/079811)

---

[21] **3,004,772**
[13] A1
[51] **Int.Cl. A61K 31/395 (2006.01) A61P 7/06 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **UNIT DOSE FORMULATIONS FOR USE AS AN ANTI-FUGETACTIC AGENT**
[54] **FORMULATIONS EN DOSE UNITAIRE DESTINE A ETRE UTILISE COMME AGENT ANTI-CHIMIO-REPULSION**
[72] POZNANSKY, MARK C., US
[72] REEVES, PATRICK, US
[71] THE GENERAL HOSPITAL CORPORATION D.B.A MASSACHUSETTS GENERAL HOSPITAL, US
[85] 2018-05-08
[86] 2016-11-09 (PCT/US2016/061205)
[87] (WO2017/083440)
[30] US (62/253,099) 2015-11-09

---

[21] **3,004,773**
[13] A1
[51] **Int.Cl. G01D 4/00 (2006.01) G01F 15/075 (2006.01) G01M 3/26 (2006.01)**
[25] EN
[54] **DETECTING AN ERROR CONDITION BY MONITORING A RESOURCE FLOW AT A PREMISES**
[54] **DETECTION D'UNE CONDITION D'ERREUR PAR LA SURVEILLANCE D'UN FLUX DE RESSOURCES DANS DES LOCAUX**
[72] SHUDARK, JEFFREY, US
[72] DAVIS, JAMES, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2018-05-08
[86] 2016-12-20 (PCT/US2016/067810)
[87] (WO2017/112683)
[30] US (62/270,282) 2015-12-21

---

[21] **3,004,774**
[13] A1
[51] **Int.Cl. A61L 9/14 (2006.01) B05B 12/00 (2018.01) G06F 9/445 (2018.01)**
[25] EN
[54] **FRAGRANCE DISPENSER AND SYSTEM, AND METHOD FOR USING THE SAME**
[54] **DISTRIBUTEUR DE PARFUM ET SYSTEME ET PROCEDE POUR LEUR UTILISATION**
[72] MUSHTAQ, MUHAMMAD MUNEEB, CA
[72] BYARD, JOHN, CA
[72] MUSHTAQ, MUHAMMAD NABEEL, CA
[72] LOUDON, JONATHAN PAUL, CA
[72] SCHMIDER, JOHN PAUL, CA
[72] BRUNETTE, REBECCA ROSEMARY, CA
[72] POPIK, TERRY DEAN, CA
[72] TALLEVI, KEVIN, CA
[71] SAVVY INC., CA
[85] 2018-05-09
[86] 2016-11-14 (PCT/CA2016/051316)
[87] (WO2017/079845)
[30] US (62/255,066) 2015-11-13

[21] **3,004,775**
[13] A1
[51] **Int.Cl. H04W 48/18 (2009.01)**
[25] EN
[54] **METHOD AND NETWORK DEVICE FOR SELECTING SERVICE NETWORK, AND MANAGEMENT DEVICE**
[54] **PROCEDE DE SELECTION D'UN RESEAU DE SERVICE, EQUIPEMENT DE RESEAU ET EQUIPEMENT DE GESTION**
[72] WANG, YUAN, CN
[72] ZHU, FENQIN, CN
[72] MA, JINGWANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-05-09
[86] 2015-11-10 (PCT/CN2015/094236)
[87] (WO2017/079906)

---

[21] **3,004,776**
[13] A1
[51] **Int.Cl. F16L 23/00 (2006.01) F16L 23/036 (2006.01) F16L 37/00 (2006.01)**
[25] EN
[54] **MAGNETIC CONNECTING MEMBER, IN PARTICULAR FOR PIPE FLANGES**
[54] **ELEMENT DE LIAISON MAGNETIQUE, EN PARTICULIER POUR DES BRIDES DE TUYAU**
[72] CUBER, PETR, CZ
[72] PULLMANOVA, MONIKA, CZ
[71] CUBER, PETR, CZ
[85] 2018-04-18
[86] 2016-10-20 (PCT/CZ2016/050038)
[87] (WO2017/067531)
[30] CZ (PV 2015-747) 2015-10-23

---

[21] **3,004,777**
[13] A1
[51] **Int.Cl. B60K 17/342 (2006.01) B60K 17/16 (2006.01)**
[25] EN
[54] **DIFFERENTIAL SYSTEM THAT CONTROLS THE TRACTION OF THE WHEELS OF A VEHICLE**
[54] **SYSTEME DIFFERENTIEL COMMANDANT LA TRACTION DES ROUES D'UN VEHICULE**
[72] SOTO VELASCO, SERVANDO, MX
[71] SOTO VELASCO, SERVANDO, MX
[85] 2018-05-02
[86] 2015-11-03 (PCT/MX2015/000143)
[87] (WO2017/078509)

---

[21] **3,004,778**
[13] A1
[51] **Int.Cl. B42D 25/351 (2014.01)**
[25] EN
[54] **SECURITY ELEMENT AND DATA CARRIER PROVIDED WITH SAME**
[54] **ELEMENT DE SECURITE ET SUPPORT DE DONNEES EQUIPE DE CELUI-CI**
[72] TEUFEL, BJORN, DE
[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
[85] 2018-05-09
[86] 2016-11-29 (PCT/EP2016/002014)
[87] (WO2017/092864)
[30] DE (10 2015 015 731.0) 2015-12-01

---

[21] **3,004,779**
[13] A1
[51] **Int.Cl. B65D 83/66 (2006.01) B65D 83/38 (2006.01)**
[25] EN
[54] **PRESSURE CONTROL DEVICE, DISPENSER COMPRISING SAID PRESSURE CONTROL DEVICE AND METHOD OF MANUFACTURING**
[54] **DISPOSITIF DE REGULATION DE PRESSION, DISTRIBUTEUR COMPRENANT LEDIT DISPOSITIF DE REGULATION DE PRESSION ET PROCEDE DE FABRICATION**
[72] VANDERSTRAETEN, ERWIN, BE
[72] DE CUYPER, DIRK, BE
[72] ANTHIERENS, TOM, BE
[71] GOJARA, BE
[85] 2018-05-09
[86] 2016-11-10 (PCT/EP2016/025144)
[87] (WO2017/080679)
[30] BE (BE2015/5737) 2015-11-10
[30] EP (PCT/EP2016/061840) 2016-05-25

---

[21] **3,004,780**
[13] A1
[51] **Int.Cl. B60H 1/00 (2006.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEMS AND METHODS FOR VEHICLE**
[54] **SYSTEMES ET PROCEDES DE CLIMATISATION DESTINES A UN VEHICULE**
[72] ANDREWS, MICHAEL, CA
[71] TIGER TOOL INTERNATIONAL INCORPORATED, CA
[85] 2018-05-08
[86] 2017-01-25 (PCT/US2017/014941)
[87] (WO2017/132260)
[30] US (62/286,841) 2016-01-25

---

[21] **3,004,781**
[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) B05D 7/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A MULTICOAT PAINT SYSTEM**
[54] **PROCEDE DE PRODUCTION D'UNE PEINTURE MULTICOUCHE**
[72] CORTEN, CATHRIN, DE
[72] EIERHOFF, DIRK, DE
[72] WILM, PATRICK, DE
[72] SCHNIEDERS, BRITTA, DE
[72] FREITAG, NICOLE, DE
[72] GRUMPE, HEINZ-ULRICH, DE
[72] SCHWARZ, JORG, DE
[71] BASF COATINGS GMBH, DE
[85] 2018-05-09
[86] 2016-06-03 (PCT/EP2016/062586)
[87] (WO2017/088988)
[30] EP (15196416.0) 2015-11-26

[21] **3,004,782**
[13] A1
[51] **Int.Cl. A21C 11/10 (2006.01) A21C 3/10 (2006.01) A21C 5/00 (2006.01) A21C 5/08 (2006.01) A21C 7/06 (2006.01) A21C 9/00 (2006.01) A21C 9/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BREAKING SHEETS OF FROZEN PIZZA INTO INDIVIDUAL PIECES**
[54] **SYSTEME ET PROCEDE DE RUPTURE DE FEUILLES DE PIZZA CONGELEE EN MORCEAUX INDIVIDUELS**
[72] ERICKSON, ROBERT, US
[72] FEE, LILY LEUNG, US
[72] HALL, ANITA J., US
[72] HUFFMAN, DARIN T., US
[72] MCCALLEY, RODNEY, US
[72] REISHUS, TERRY G., US
[72] SCHOO, STEVE J., US
[72] STENVIK, RALPH A., US
[71] GENERAL MILLS, INC., US
[85] 2018-05-08
[86] 2017-02-28 (PCT/US2017/019856)
[87] (WO2017/151564)
[30] US (15/057,501) 2016-03-01

[21] **3,004,783**
[13] A1
[51] **Int.Cl. A61G 3/06 (2006.01)**
[25] EN
[54] **PARALLELOGRAM ARM VEHICLE LIFT**
[54] **DISPOSITIF DE LEVAGE DE VEHICULE A BRAS EN FORME DE PARALLELOGRAMME**
[72] BETTCHER, ROBERT E., III, US
[72] KLINE, JUSTIN M., US
[72] METZGER, AUSTIN D., US
[72] ZHANG, HAIYAN HENRY, US
[72] LIAO, CONG, US
[72] BARDAKAS, ACHILLEAS, US
[71] THE BRAUN CORPORATION, US
[85] 2018-05-08
[86] 2017-05-30 (PCT/US2017/034975)
[87] (WO2017/205866)
[30] US (62/342,478) 2016-05-27

[21] **3,004,784**
[13] A1
[51] **Int.Cl. C08J 9/28 (2006.01) C08G 18/00 (2006.01) C08J 9/33 (2006.01) C08J 9/35 (2006.01)**
[25] EN
[54] **(SUPER)HYDROPHOBIC ISOCYANATE BASED POROUS MATERIALS**
[54] **MATERIAUX POREUX (SUPER)HYDROPHOBES A BASE D'ISOCYANATE**
[72] JONCHERAY, THOMAS JULIEN, BE
[72] VANDENBROECK, JAN, BE
[72] GEUMEZ, GILLES JEAN, BE
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2018-05-09
[86] 2016-10-12 (PCT/EP2016/074393)
[87] (WO2017/084809)
[30] EP (15194706.6) 2015-11-16

[21] **3,004,785**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **MANUALLY ACTUATABLE INHALER**
[54] **INHALATEUR POUVANT ETRE ACTIONNE MANUELLEMENT**
[72] VON SCHUCKMANN, ALFRED, DE
[71] VON SCHUCKMANN, ALFRED, DE
[85] 2018-05-09
[86] 2016-11-02 (PCT/EP2016/076326)
[87] (WO2017/080871)
[30] DE (10 2015 119 617.4) 2015-11-13

[21] **3,004,786**
[13] A1
[51] **Int.Cl. G01N 25/18 (2006.01) G01N 33/487 (2006.01) G01N 33/543 (2006.01) B01J 20/26 (2006.01) G01N 33/531 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR DETECTING ANALYTES USING THERMAL WAVES**
[54] **DISPOSITIFS ET PROCEDES DE DETECTION D'ANALYTES A L'AIDE D'ONDES THERMIQUES**
[72] GRINSVEN VAN, BART ROBERT NICOLAAS, NL
[72] CLEIJ, THOMAS JAN, NL
[71] ACADEMISCH ZIEKENHUIS MAASTRICHT, NL
[71] UNIVERSITEIT MAASTRICHT, NL
[85] 2018-05-09
[86] 2016-11-03 (PCT/EP2016/076571)
[87] (WO2017/084885)
[30] EP (15194837.9) 2015-11-16
[30] EP (16162550.4) 2016-03-29
[30] EP (16162685.8) 2016-03-29
[30] US (62/314,461) 2016-03-29
[30] EP (16164636.9) 2016-04-11
[30] US (15/095,636) 2016-04-11

[21] **3,004,787**
[13] A1
[51] **Int.Cl. F16L 55/136 (2006.01) F16L 7/02 (2006.01) F16L 55/128 (2006.01)**
[25] EN
[54] **GRIPPING APPARATUS AND DEVICES FOR PLUGGING OF PIPES, ORIFICES OR CONNECTING**
[54] **APPAREIL DE PREHENSION ET DISPOSITIFS POUR LE BOUCHAGE DE TUYAUX, D'ORIFICES OU DE RACCORDEMENT**
[72] SUE, TRACY, US
[72] SUE, CASEY, US
[72] SALLEE, RICHARD, US
[71] USA INDUSTRIES, INC., US
[85] 2018-05-08
[86] 2016-11-18 (PCT/US2016/062928)
[87] (WO2017/087890)
[30] US (62/258,311) 2015-11-20
[30] US (62/313,376) 2016-03-25
[30] US (62/366,591) 2016-07-25

[21] **3,004,788**
[13] A1
[51] **Int.Cl. C10M 171/00 (2006.01) C10M 105/80 (2006.01) C10M 129/68 (2006.01)**
[25] EN
[54] **LOW SHEAR STRENGTH LUBRICATING FLUIDS**
[54] **FLUIDES LUBRIFIANTS PRESENTANT UNE FAIBLE RESISTANCE AU CISAILLEMENT**
[72] FORBUS, THOMAS REGINALD, US
[71] SANTOLUBES LLC, US
[85] 2018-05-08
[86] 2016-11-21 (PCT/US2016/063016)
[87] (WO2017/091488)
[30] US (14/952,040) 2015-11-25

[21] **3,004,789**
[13] A1
[51] **Int.Cl. A61K 9/19 (2006.01) A61K 35/16 (2015.01) C07K 14/755 (2006.01) F26B 3/12 (2006.01) F26B 5/06 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF FREEZE-DRIED PELLETS COMPRISING FACTOR VIII**
[54] **PROCEDE POUR LA PRODUCTION DE COMPRIMES LYOPHILISES COMPRENANT LE FACTEUR VIII**
[72] OLBRICH, CARSTEN, DE
[72] PLITZKO, MATTHIAS, DE
[72] LUY, BERNHARD, DE
[72] SCHNEID, STEFAN CHRISTIAN, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2018-05-09
[86] 2016-11-04 (PCT/EP2016/076640)
[87] (WO2017/080915)
[30] EP (15194340.4) 2015-11-12

[21] **3,004,790**
[13] A1
[51] **Int.Cl. C07K 16/12 (2006.01) A61K 47/00 (2006.01) C07K 7/00 (2006.01) C07K 16/44 (2006.01)**
[25] EN
[54] **ANTIBODY MOLECULE-DRUG CONJUGATES AND USES THEREOF**
[54] **CONJUGUES MOLECULES ANTICORPS-MEDICAMENTS ET LEURS UTILISATIONS**
[72] WOLLACOTT, ANDREW M., US
[72] PLANTE, OBADIAH JOSEPH, US
[72] DELANEY, JAMES C., US
[72] VISWANATHAN, KARTHIK, US
[72] RAMAKRISHNAN, BOOPATHY, US
[72] SHRIVER, ZACHARY HOLMES, US
[71] VISTERRA, INC., US
[85] 2018-05-08
[86] 2016-11-10 (PCT/US2016/061330)
[87] (WO2017/083515)
[30] US (62/253,345) 2015-11-10
[30] US (62/375,800) 2016-08-16

[21] **3,004,791**
[13] A1
[51] **Int.Cl. H03K 5/1534 (2006.01) H03M 1/66 (2006.01) H03K 5/00 (2006.01)**
[25] FR
[54] **PROCEDE DE SYNCHRONISATION DE CONVERTISSEURS DE DONNEES PAR UN SIGNAL TRANSMIS DE PROCHE EN PROCHE**
[54] **METHOD FOR SYNCHRONISING DATA CONVERTERS BY MEANS OF A SIGNAL TRANSMITTED FROM ONE TO THE NEXT**
[72] BOUIN, ETIENNE, FR
[72] LAUBE, REMI, FR
[72] LIGOZAT, JEROME, FR
[72] STACKLER, MARC, FR
[71] TELEDYNE E2V SEMICONDUCTORS SAS, FR
[85] 2018-05-09
[86] 2016-11-04 (PCT/EP2016/076689)
[87] (WO2017/080925)
[30] FR (1560739) 2015-11-10

[21] **3,004,792**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) G01N 33/53 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTIGEN-BINDING POLYPEPTIDES DIRECTED AGAINST CD38**
[54] **POLYPEPTIDES DE LIAISON D'ANTIGENE DIRIGES CONTRE CD38**
[72] NOLTE, FRIEDRICH, DE
[72] BANNAS, PETER, DE
[72] SCHUTZE, KERSTIN, DE
[72] FUMEY, WILLIAM, DE
[72] SCHRIEWER, LEVIN, DE
[72] MENZEL, STEPHAN, DE
[72] STORTELERS, CATELIJNE, BE
[71] UNIVERSITY MEDICAL CENTER HAMBURG - EPPENDORF, DE
[85] 2018-05-09
[86] 2016-11-10 (PCT/EP2016/077361)
[87] (WO2017/081211)
[30] US (62/253,318) 2015-11-10

[21] **3,004,793**
[13] A1
[51] **Int.Cl. H04N 21/434 (2011.01) H04N 21/81 (2011.01)**
[25] EN
[54] **METHOD AND DEVICE FOR ADAPTING THE VIDEO CONTENT DECODED FROM ELEMENTARY STREAMS TO THE CHARACTERISTICS OF A DISPLAY**
[54] **PROCEDE ET DISPOSITIF D'ADAPTATION DU CONTENU VIDEO DECODE A PARTIR DE FLUX ELEMENTAIRES AUX CARACTERISTIQUES D'UN AFFICHAGE**
[72] BORDES, PHILIPPE, FR
[72] ANDRIVON, PIERRE, FR
[72] FRANCOIS, EDOUARD, FR
[71] THOMSON LICENSING, FR
[85] 2018-05-09
[86] 2016-11-04 (PCT/EP2016/076707)
[87] (WO2017/080927)
[30] EP (15306777.2) 2015-11-09

[21] **3,004,794**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **FGFR2 INHIBITORS ALONE OR IN COMBINATION WITH IMMUNE STIMULATING AGENTS IN CANCER TREATMENT**
[54] **INHIBITEURS DE FGFR2 SEULS OU EN COMBINAISON AVEC DES AGENTS DE STIMULATION IMMUNITAIRE DANS LE TRAITEMENT DU CANCER**
[72] PIERCE, KRISTEN, US
[72] POWERS, JANINE, US
[72] PALENCIA, SERVANDO, US
[72] SIKORSKI, ROBERT, US
[72] GHODDUSI, MAJID, US
[72] KRISHNAN, KARTIK, US
[71] FIVE PRIME THERAPEUTICS, INC., US
[85] 2018-05-08
[86] 2016-11-22 (PCT/US2016/063332)
[87] (WO2017/091577)
[30] US (62/258,731) 2015-11-23
[30] US (62/314,174) 2016-03-28
[30] US (62/379,094) 2016-08-24

[21] **3,004,795**
[13] A1
[51] **Int.Cl. C07C 303/44 (2006.01) C07C 309/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PURIFYING ALKANESULFONIC ACIDS**
[54] **PROCEDE DE PURIFICATION D'ACIDES ALCANESULFONIQUES**
[72] SPIELMANN, JAN, DE
[72] KOCH, MICHAEL, DE
[72] WORTMANN, JURGEN, DE
[72] RUETHER, FEELLY, DE
[72] WEIGUNY, SABINE, DE
[72] BORGMEIER, FRIEDER, DE
[71] BASF SE, DE
[85] 2018-05-09
[86] 2016-11-08 (PCT/EP2016/076958)
[87] (WO2017/080991)
[30] EP (15193899.0) 2015-11-10

[21] **3,004,796**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A01N 43/90 (2006.01) A61K 31/519 (2006.01) A61P 3/04 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **PYRAZOLE ACC INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE L'ACC A BASE DE PYRAZOLE ET UTILISATIONS ASSOCIEES**
[72] GHOSH, SHOMIR, US
[72] GREENWOOD, JEREMY ROBERT, US
[72] HARRIMAN, GERALDINE C., US
[72] LEIT DE MORADEI, SILVANA MARCEL, US
[71] GILEAD APOLLO, LLC, US
[85] 2018-05-08
[86] 2016-11-22 (PCT/US2016/063386)
[87] (WO2017/091600)
[30] US (62/259,973) 2015-11-25

[21] **3,004,797**
[13] A1
[51] **Int.Cl. A01N 43/56 (2006.01) A01N 37/48 (2006.01) A01N 43/653 (2006.01) A01N 43/70 (2006.01) A01N 43/707 (2006.01) A01N 43/76 (2006.01) A01N 43/88 (2006.01) A01N 43/90 (2006.01) A01N 47/30 (2006.01) A01N 47/36 (2006.01) A01N 47/38 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC HERBICIDAL COMPOSITIONS**
[54] **COMPOSITION HERBICIDE SYNERGIQUE**
[72] JIN, TAO, CN
[72] WANG, JINXIN, CN
[72] LU, XINGTAO, CN
[72] PENG, XUEGANG, CN
[72] ZHANG, JINGYUAN, CN
[72] ZHAO, DE, CN
[71] QINGDAO KINGAGROOT RESISTANT WEED MANAGEMENT CO., LTD., CN
[85] 2018-05-09
[86] 2016-03-31 (PCT/CN2016/077953)
[87] (WO2017/084233)
[30] CN (201510791710.5) 2015-11-17

[21] **3,004,798**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A01N 43/90 (2006.01) A61K 31/519 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **ESTER ACC INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE L'ACC A BASE D'ESTERS ET UTILISATIONS ASSOCIEES**
[72] GHOSH, SHOMIR, US
[72] GREENWOOD, JEREMY ROBERT, US
[72] HARRIMAN, GERALDINE C., US
[72] LEIT DE MORADEI, SILVANA MARCEL, US
[71] GILEAD APOLLO, LLC, US
[85] 2018-05-08
[86] 2016-11-22 (PCT/US2016/063388)
[87] (WO2017/091602)
[30] US (62/259,975) 2015-11-25

[21] **3,004,799**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/11 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDES FOR INDUCING PATERNAL UBE3A EXPRESSION**
[54] **OLIGONUCLEOTIDES POUR INDUIRE L'EXPRESSION PATERNELLE D'UBE3A**
[72] COSTA, VERONICA, CH
[72] HEDTJARN, MAJ, DK
[72] HOENER, MARIUS, CH
[72] JAGASIA, RAVI, CH
[72] JENSEN, MADS AABOE, DK
[72] PATSCH, CHRISTOPH, CH
[72] PEDERSEN, LYKKE, DK
[72] RASMUSSEN, SOREN VESTERGAARD, DK
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-05-09
[86] 2016-11-11 (PCT/EP2016/077383)
[87] (WO2017/081223)
[30] EP (15194367.7) 2015-11-12
[30] EP (16189502.4) 2016-09-19

[21] **3,004,800**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 21/03 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **TEST CELL AND MEASURING METHOD**
[54] **CUVETTE ET PROCEDE DE MESURE**
[72] BEHNK, HOLGER, DE
[71] BEHNK, HOLGER, DE
[85] 2018-05-09
[86] 2016-11-16 (PCT/EP2016/077797)
[87] (WO2017/097553)
[30] EP (15199277.3) 2015-12-10

---

[21] **3,004,801**
[13] A1
[51] **Int.Cl. A23D 9/007 (2006.01) A23K 20/111 (2016.01) A23K 20/158 (2016.01) A23K 40/20 (2016.01) A23K 40/25 (2016.01) A23K 40/30 (2016.01) C11B 5/00 (2006.01)**
[25] EN
[54] **COMBINATION OF NATURAL ANTIOXIDANTS**
[54] **COMBINAISON D'ANTIOXYDANTS NATURELS**
[72] MICHEL-SALAUN, FRANCOISE, FR
[72] CONEGGO, NICOLAS, US
[71] SPECIALITES PET FOOD, FR
[85] 2018-05-09
[86] 2016-11-16 (PCT/EP2016/077818)
[87] (WO2017/085099)
[30] EP (15306812.7) 2015-11-16

---

[21] **3,004,802**
[13] A1
[51] **Int.Cl. C07C 303/44 (2006.01) C07C 309/04 (2006.01)**
[25] EN
[54] **METHOD OF REPROCESSING ALKANESULFONIC ACID**
[54] **PROCEDE DE RETRAITEMENT D'ACIDE ALCANESULFONIQUE**
[72] SPIELMANN, JAN, DE
[72] KOCH, MICHAEL, DE
[72] WORTMANN, JUERGEN, DE
[72] WEIGUNY, SABINE, DE
[72] RUETHER, FEELLY, DE
[72] SENGPIEL, ROBERT, DE
[71] BASF SE, DE
[85] 2018-05-09
[86] 2016-11-08 (PCT/EP2016/076963)
[87] (WO2017/080994)
[30] EP (15193897.4) 2015-11-10

---

[21] **3,004,803**
[13] A1
[51] **Int.Cl. E21B 33/127 (2006.01) E21B 17/02 (2006.01)**
[25] EN
[54] **ANNULAR BARRIER COMPLETION WITH INDUCTIVE SYSTEM**
[54] **ACHEVEMENT DE BARRIERE ANNULAIRE AVEC SYSTEME INDUCTIF**
[72] VASQUES, RICARDO REVES, DK
[72] HAZEL, PAUL, GB
[71] WELLTEC A/S, DK
[85] 2018-05-09
[86] 2016-11-22 (PCT/EP2016/078422)
[87] (WO2017/089343)
[30] EP (15195919.4) 2015-11-23
[30] EP (16150086.3) 2016-01-04

---

[21] **3,004,804**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **PD-L1 ANTIBODY, ANTIGEN-BINDING FRAGMENT THEREOF AND MEDICAL APPLICATION THEREOF**
[54] **ANTICORPS ANTI-PD-L1, FRAGMENT DE LIAISON D'ANTIGENE DE CELUI-CI ET LEUR UTILISATION PHARMACEUTIQUE**
[72] QU, XIANGDONG, CN
[72] HU, QIYUE, CN
[72] XU, SHAOYU, CN
[72] CUI, DONGBING, CN
[72] JIN, HOUCONG, CN
[72] TAO, WEIKANG, CN
[72] ZHANG, LIANSHAN, CN
[72] CAO, GUOQING, CN
[72] SUN, PIAOYANG, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[71] SUZHOU SUNCADIA BIOPHARMACEUTICALS CO., LTD., CN
[85] 2018-05-09
[86] 2016-11-02 (PCT/CN2016/104320)
[87] (WO2017/084495)
[30] CN (201510788907.3) 2015-11-17

---

[21] **3,004,805**
[13] A1
[51] **Int.Cl. C07K 14/36 (2006.01) A61K 38/04 (2006.01) A61K 38/16 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **LABYRINTHOPEPTINS AS ANTI-VIRAL AGENTS**
[54] **LABYRINTHOPEPTINES UTILISEES COMME AGENTS ANTIVIRAUX**
[72] BRONSTRUP, MARK, DE
[72] PROCHNOW, HANS-PETER, DE
[72] BIRUDUKOTA, N.V. SURYANARAYANA, DE
[72] SCHULZ, THOMAS, DE
[72] MESSERLE, MARTIN, DE
[72] PIETSCHMANN, THOMAS, DE
[72] HAID, SIBYLLE, DE
[72] BLOCKUS, SEBASTIAN, DE
[72] LAQMANI-GOFFINET, CHRISTINE, DE
[72] FRANZ, SERGEJ, DE
[72] BANDA, DOMINIC HOWARD, DE
[71] HELMHOLTZ-ZENTRUM FUR INFEKTIONSFORSCHUNG GMBH, DE
[71] MEDIZINISCHE HOCHSCHULE HANNOVER, DE
[71] TWINCORE, ZENTRUM FUR EXPERIMENTELLE UND KLINISCHE INFEKTIONSFORSCHUNG, DE
[85] 2018-05-09
[86] 2016-11-18 (PCT/EP2016/078143)
[87] (WO2017/085257)
[30] EP (15195244.7) 2015-11-18
[30] EP (16162805.2) 2016-03-30

[21] **3,004,806**
[13] A1
[51] **Int.Cl. G01D 11/26 (2006.01)**
[25] EN
[54] **EXPLOSION-PROTECTED HOUSING FOR MEANS FOR TRANSMITTING AND RECEIVING ELECTROMAGNETIC RADIATION**
[54] **BOITIER PROTEGE CONTRE LES EXPLOSIONS POUR MOYENS D'EMISSION ET DE RECEPTION DE RAYONNEMENT ELECTROMAGNETIQUE**
[72] ZIEMS, BERND, DE
[72] DITTMER, HAUKE, DE
[72] SIEMER, DIRK, DE
[72] GROTHOFF, AXEL, DE
[72] ZULZER, PETER, DE
[72] STAMER, ARNE, DE
[72] WISNIEWSKI, PAWEL, DE
[72] ZIEGENBEIN, TIMO, DE
[71] MINIMAX GMBH & CO. KG, DE
[85] 2018-05-09
[86] 2016-11-25 (PCT/EP2016/078827)
[87] (WO2017/089550)
[30] DE (10 2015 223 362.6) 2015-11-25

---

[21] **3,004,808**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01)**
[25] FR
[54] **SYRINGE**
[54] **SERINGUE**
[72] CACLIN, JEROME, FR
[71] GUERBET, FR
[85] 2018-05-09
[86] 2016-11-10 (PCT/EP2016/077307)
[87] (WO2017/081178)
[30] FR (1560823) 2015-11-12

---

[21] **3,004,809**
[13] A1
[51] **Int.Cl. A47L 9/02 (2006.01) A47L 13/38 (2006.01)**
[25] EN
[54] **DUSTING AND DUST COLLECTING DEVICE**
[54] **DISPOSITIF DE DEPOUSSIERAGE ET DE COLLECTE DE POUSSIERE**
[72] GOLLER, HANS PETTER, NO
[71] UDP GOLLER, NO
[85] 2018-05-09
[86] 2016-11-23 (PCT/EP2016/078576)
[87] (WO2017/089411)
[30] NO (20151602) 2015-11-24

---

[21] **3,004,810**
[13] A1
[51] **Int.Cl. A01N 31/06 (2006.01) A01N 25/18 (2006.01) A01P 17/00 (2006.01)**
[25] EN
[54] **INSECT REPELLENT COMPOSITION AND METHOD OF USE**
[54] **COMPOSITION INSECTIFUGE ET PROCEDE D'UTILISATION**
[72] HYWEL DAVIES, JOHN, GB
[72] MOSES, JOHN, GB
[71] NEO-INNOVA HEALTHCARE LIMITED, GB
[85] 2018-05-09
[86] 2016-11-04 (PCT/GB2016/053430)
[87] (WO2017/081445)
[30] GB (1519781.7) 2015-11-10
[30] GB (1617161.3) 2016-10-10

---

[21] **3,004,812**
[13] A1
[51] **Int.Cl. G01F 1/28 (2006.01)**
[25] FR
[54] **APPARATUS FOR ESTIMATING THE VOLUME OF FLUID FLOWING IN A PIPE**
[54] **EQUIPEMENT POUR L'ESTIMATION DU VOLUME DE FLUIDE CIRCULANT DANS UN CONDUIT**
[72] LE FLOC'H, JACQUES, FR
[71] OXEAU INVEST, FR
[85] 2018-05-09
[86] 2016-11-08 (PCT/FR2016/052882)
[87] (WO2017/081394)
[30] FR (1560759) 2015-11-10
[30] FR (1655930) 2016-06-24

---

[21] **3,004,814**
[13] A1
[51] **Int.Cl. A61J 1/03 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **MEDICATION SYSTEM WITH A MEDICATION TRAY AND METHOD FOR PRODUCING A READY-TO-DELIVER MEDICATION SYSTEM**
[54] **SYSTEME DE MEDICATION COMPRENANT UN PLATEAU DE MEDICAMENTS ET PROCEDE DE PRODUCTION D'UN SYSTEME DE MEDICATION PRET A L'EXPEDITION**
[72] HAFNER, JENS, AT
[72] NEUSSL, STEFAN, AT
[71] MEDINOXX GMBH, AT
[85] 2018-05-09
[86] 2016-11-08 (PCT/EP2016/076934)
[87] (WO2017/080981)
[30] AT (A50954/2015) 2015-11-10

---

[21] **3,004,816**
[13] A1
[51] **Int.Cl. G04F 1/00 (2006.01) G04F 13/04 (2006.01) G04F 13/06 (2006.01)**
[25] EN
[54] **ELAPSED TIME INDICATOR**
[54] **INDICATEUR DE TEMPS ECOULE**
[72] HIGGINS, PETER, GB
[72] GORDEYEV, SERGEY, GB
[72] MCILVENNA, DAVID, GB
[71] UWI TECHNOLOGY LIMITED, GB
[85] 2018-05-09
[86] 2016-11-17 (PCT/GB2016/053587)
[87] (WO2017/085489)
[30] GB (1520227.8) 2015-11-17

[21] **3,004,817**
[13] A1
[51] **Int.Cl. C03C 3/087 (2006.01) C03C 3/11 (2006.01) C03C 21/00 (2006.01) C03C 23/00 (2006.01)**
[25] FR
[54] **METHOD FOR TREATING VITREOUS MATERIALS BY THERMAL POLING**
[54] **PROCEDE DE TRAITEMENT DE MATERIAUX VITREUX PAR VOIE DE POLARISATION THERMIQUE**
[72] PARAILLOUS, MAXIME, FR
[72] CARDINAL, THIERRY, FR
[72] POULON, ANGELINE, FR
[72] FARGIN, EVELYNE, FR
[72] DUSSAUZE, MARC, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2018-05-09
[86] 2016-11-08 (PCT/FR2016/052884)
[87] (WO2017/081396)
[30] FR (1560733) 2015-11-10

---

[21] **3,004,821**
[13] A1
[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/962 (2013.01) A61F 2/06 (2013.01)**
[25] EN
[54] **STENT-GRAFTS SYSTEMS WITH SKIRT**
[54] **SYSTEMES D'ENDOPROTHESE COUVERTE AVEC JUPE**
[72] ZIGELBOIM, OR, IL
[72] MARMUR, YANIV, IL
[72] SHALEV, ALON, IL
[71] ENDOSPAN LTD., IL
[85] 2018-05-09
[86] 2016-11-09 (PCT/IL2016/051207)
[87] (WO2017/081679)
[30] US (62/254,432) 2015-11-12
[30] US (62/371,983) 2016-08-08

---

[21] **3,004,824**
[13] A1
[51] **Int.Cl. C04B 28/02 (2006.01) C04B 22/00 (2006.01) C04B 28/04 (2006.01) C04B 38/10 (2006.01)**
[25] FR
[54] **ULTRALIGHT INORGANIC FOAM AND MANUFACTURE METHOD THEREOF**
[54] **MOUSSE MINERALE ULTRA-LEGERE ET SON PROCEDE DE FABRICATION**
[72] BLACHIER, CHRISTIAN, FR
[72] CHAUMILLIAT, CHRISTINE, FR
[72] LOMBOIS-BURGER, HELENE, FR
[72] SABIO, SERGE, FR
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2018-05-09
[86] 2016-11-17 (PCT/FR2016/053000)
[87] (WO2017/085416)
[30] FR (1561057) 2015-11-17

---

[21] **3,004,825**
[13] A1
[51] **Int.Cl. G01C 21/16 (2006.01)**
[25] FR
[54] **METHOD FOR DESIGNING A NAVIGATION PATH AND METHOD FOR ORIENTING A SIGHTING MEMBER FROM SAID NAVIGATION PATH**
[54] **PROCEDE D'ELABORATION D'UNE NAVIGATION ET PROCEDE D'ORIENTATION D'UN ORGANE DE VISEE A PARTIR DE CETTE NAVIGATION**
[72] DAVAIN, LOIC, FR
[72] FABIEN, SIMON, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2018-05-09
[86] 2016-11-09 (PCT/EP2016/077178)
[87] (WO2017/081104)
[30] FR (1560751) 2015-11-10

---

[21] **3,004,827**
[13] A1
[51] **Int.Cl. F28D 9/00 (2006.01)**
[25] EN
[54] **A DEVICE FOR EXCHANGE OF ENERGY AND/OR MASS TRANSFER BETWEEN FLUID FLOWS**
[54] **DISPOSITIF D'ECHANGE D'ENERGIE ET/OU DE TRANSFERT DE MASSE ENTRE ECOULEMENTS DE FLUIDE**
[72] SIVERKLEV, JOHAN, SE
[71] AIR TO AIR SWEDEN AB, SE
[85] 2018-05-09
[86] 2016-11-10 (PCT/EP2016/077291)
[87] (WO2017/081167)
[30] EP (15194128.3) 2015-11-11

---

[21] **3,004,829**
[13] A1
[51] **Int.Cl. A61K 38/01 (2006.01) A23K 10/16 (2016.01) A23K 10/20 (2016.01) A23K 20/147 (2016.01) A23K 20/163 (2016.01) A23K 50/30 (2016.01) A23K 50/60 (2016.01) A23L 29/269 (2016.01) A23L 29/281 (2016.01) A23L 33/00 (2016.01) A23L 33/14 (2016.01) A23L 33/18 (2016.01) A23L 33/19 (2016.01) A23L 33/21 (2016.01) A61K 31/716 (2006.01) A61K 36/064 (2006.01)**
[25] EN
[54] **A DIETARY SUPPLEMENT COMPRISING BETA-GLUCAN AND CASEIN HYDROLYSATE FOR IMPROVING HEALTH AND GROWTH PERFORMANCE IN A MAMMAL**
[54] **COMPLEMENT ALIMENTAIRE COMPRENANT DU BETA-GLUCANE ET UN HYDROLYSAT DE CASEINE POUR AMELIORER LA SANTE ET LES PERFORMANCES DE CROISSANCE CHEZ UN MAMMIFERE**
[72] SWEENEY, TORRES, IE
[72] O'DOHERTY, JOHN, IE
[71] UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN, IE
[85] 2018-05-09
[86] 2016-11-10 (PCT/EP2016/077332)
[87] (WO2017/081193)
[30] EP (15193832.1) 2015-11-10

[21] **3,004,830**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHODS FOR ANTI-TNFR2 ANTIBODIES**
[54] **COMPOSITION ET METHODES POUR ANTICORPS ANTI-TNFR2**
[72] THOMPSON, PETER ARMSTRONG, US
[71] OPI VI- IP HOLDCO LLC, US
[85] 2018-05-08
[86] 2016-11-10 (PCT/US2016/061343)
[87] (WO2017/083525)
[30] US (62/254,127) 2015-11-11

[21] **3,004,832**
[13] A1
[51] **Int.Cl. G01M 3/28 (2006.01) G01L 9/00 (2006.01) G01M 3/00 (2006.01)**
[25] EN
[54] **WATER LEAK DETECTION USING PRESSURE SENSING**
[54] **DETECTION DE FUITE D'EAU AU MOYEN D'UNE DETECTION DE PRESSION**
[72] ENEV, MIROSLAV, US
[72] BANERJEE, SALIL, US
[72] PATEL, SHWETAK N., US
[71] PHYN LLC, US
[85] 2018-05-08
[86] 2016-11-10 (PCT/US2016/061370)
[87] (WO2017/083547)
[30] US (14/937,831) 2015-11-10

[21] **3,004,834**
[13] A1
[51] **Int.Cl. C10M 169/04 (2006.01)**
[25] EN
[54] **ZINC-FREE LUBRICATING COMPOSITION**
[54] **COMPOSITION LUBRIFIANTE DEPOURVUE DE ZINC**
[72] SUTTON, MICHAEL R., GB
[72] VINCENT, PAUL R., GB
[71] THE LUBRIZOL CORPORATION, US
[85] 2018-05-08
[86] 2016-11-10 (PCT/US2016/061369)
[87] (WO2017/083546)
[30] US (62/253,871) 2015-11-11

[21] **3,004,836**
[13] A1
[51] **Int.Cl. A23K 40/35 (2016.01) A23K 20/10 (2016.01) A23K 50/10 (2016.01)**
[25] FR
[54] **FEED ADDITIVE, METHOD OF PREPARATION, AND USE IN ORDER TO IMPROVE THE ZOOTECHNICAL PERFORMANCES OF A RUMINANT**
[54] **ADDITIF ALIMENTAIRE, PROCEDE DE PREPARATION ET UTILISATION POUR AMELIORER LES PERFORMANCES ZOOTECHNIQUES D'UN RUMINANT**
[72] BRAVO, DAVID, CH
[72] WALL, EMMA, FR
[71] PANCOSMA SA, CH
[85] 2018-05-09
[86] 2016-11-22 (PCT/IB2016/001651)
[87] (WO2017/089881)
[30] FR (1502465) 2015-11-25

[21] **3,004,837**
[13] A1
[51] **Int.Cl. E21B 43/1185 (2006.01) F42D 1/04 (2006.01) H01R 13/22 (2006.01) H01R 13/24 (2006.01)**
[25] EN
[54] **CONTACT PLUNGER CARTRIDGE ASSEMBLY**
[54] **ENSEMBLE CARTOUCHE DE PISTON DE CONTACT**
[72] LANGFORD, DALE, US
[72] LANE, ANDY, US
[72] BLAIN, RICK, US
[71] HUNTING TITAN, INC., US
[85] 2018-05-08
[86] 2016-11-11 (PCT/US2016/061631)
[87] (WO2017/083720)
[30] US (62/254,540) 2015-11-12

[21] **3,004,838**
[13] A1
[51] **Int.Cl. C10M 125/26 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **BOROXINE BASED SEAL COMPATIBILITY AGENTS**
[54] **AGENTS DE COMPATIBILITE AVEC LES JOINTS A BASE DE BOROXINE**
[72] BELL, JASON RICHARD, US
[72] BENNETT, CARL W., US
[71] AFTON CHEMICAL CORPORATION, US
[85] 2018-05-08
[86] 2016-11-10 (PCT/US2016/061371)
[87] (WO2017/083548)
[30] US (62/254,016) 2015-11-11

[21] **3,004,840**
[13] A1
[51] **Int.Cl. B65G 15/64 (2006.01) B65G 39/071 (2006.01) B65G 39/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TRACKING CONVEYOR BELTS**
[54] **APPAREIL ET PROCEDE DE SUIVI DE BANDES TRANSPORTEUSES**
[72] DEVRIES, BRETT, E., US
[71] FLEXIBLE STEEL LACING COMPANY, US
[85] 2018-05-08
[86] 2016-11-11 (PCT/US2016/061531)
[87] (WO2017/083649)
[30] US (62/254,523) 2015-11-12

[21] **3,004,841**
[13] A1
[51] **Int.Cl. C04B 14/04 (2006.01) C04B 20/10 (2006.01)**
[25] EN
[54] **LOW-DUST FILLER FOR COMPOSITE BUILDING PRODUCT**
[54] **CHARGE A FAIBLE TENEUR EN POUSSIERE POUR PRODUIT DE CONSTRUCTION COMPOSITE**
[72] VERES, BENJAMIN, US
[72] TUCHSCHERER, FRED, US
[72] NEMUNAITIS, BRADLEY, US
[72] OHLER, JEFFREY, US
[71] THE EUCLID CHEMICAL COMPANY, US
[85] 2018-05-08
[86] 2016-11-11 (PCT/US2016/061562)
[87] (WO2017/083671)
[30] US (62/254,268) 2015-11-12

[21] **3,004,844**
[13] A1
[51] **Int.Cl. C09D 127/12 (2006.01)**
[25] EN
[54] **CABLES COATED WITH FLUOROCOPOLYMER COATINGS**
[54] **CABLES REVETUS DE REVETEMENTS DE COPOLYMERE FLUORE**
[72] RANGANATHAN, SATHISH KUMAR, US
[72] SIRIPURAPU, SRINIVAS, US
[72] MHETAR, VIJAY, US
[72] ANDERSEN, RYAN M., US
[72] WOOD, KURT ARTHUR, US
[71] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[71] ARKEMA INC., US
[85] 2018-05-08
[86] 2016-11-11 (PCT/US2016/061587)
[87] (WO2017/083689)
[30] US (62/255,224) 2015-11-13

[21] **3,004,845**
[13] A1
[51] **Int.Cl. G02B 6/38 (2006.01) G02B 6/24 (2006.01) G02B 6/26 (2006.01)**
[25] EN
[54] **OPTICAL CONNECTOR, OPTICAL FIBER CONNECTION DEVICE, OPTICAL CONNECTOR MANUFACTURING METHOD, AND OPTICAL FIBER CONNECTION METHOD**
[54] **CONNECTEUR OPTIQUE, DISPOSITIF DE CONNEXION DE FIBRE OPTIQUE, PROCEDE DE FABRICATION DE FIBRE OPTIQUE, ET PROCEDE DE CONNEXION DE FIBRE OPTIQUE**
[72] MATSUDA, TAKAHARU, JP
[72] LUONG, HUNG HUU, JP
[71] FUJIKURA LTD., JP
[85] 2018-05-09
[86] 2016-11-17 (PCT/JP2016/084114)
[87] (WO2017/086390)
[30] JP (2015-226347) 2015-11-19

[21] **3,004,847**
[13] A1
[51] **Int.Cl. H04L 7/04 (2006.01) H04N 21/236 (2011.01) H04N 21/6547 (2011.01) G04G 7/00 (2006.01) H04L 7/00 (2006.01)**
[25] EN
[54] **DATA PROCESSING APPARATUS AND DATA PROCESSING**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] MICHAEL, LACHLAN BRUCE, JP
[72] TAKAHASHI, KAZUYUKI, JP
[71] SONY CORPORATION, JP
[85] 2018-05-09
[86] 2016-11-11 (PCT/JP2016/083466)
[87] (WO2017/090456)
[30] JP (2015-229768) 2015-11-25

[21] **3,004,849**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/415 (2006.01) A61K 47/34 (2017.01) A61P 19/02 (2006.01)**
[25] EN
[54] **A METHOD FOR MORSELIZING AND/OR TARGETING PHARMACEUTICALLY ACTIVE PRINCIPLES TO SYNOVIAL TISSUE**
[54] **PROCEDE DE MORCELLEMENT ET/OU DE CIBLAGE DE PRINCIPES PHARMACEUTIQUEMENT ACTIFS VERS UN TISSU SYNOVIAL**
[72] GAUDRIAULT, GEORGES, FR
[72] GRIZOT, SYLVESTRE, FR
[72] HURTIG, MARK, CA
[72] SHIVE, MATTHEW, US
[71] MEDINCELL, FR
[85] 2018-05-09
[86] 2016-11-16 (PCT/IB2016/001815)
[87] (WO2017/085561)
[30] US (62255778) 2015-11-16

[21] **3,004,850**
[13] A1
[51] **Int.Cl. F16J 15/00 (2006.01) F16J 15/10 (2006.01) H01M 8/0271 (2016.01)**
[25] EN
[54] **GASKET AND MANUFACTURING METHOD THEREFOR**
[54] **JOINT D'ETANCHEITE ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] HORIMOTO, TAKAYUKI, JP
[72] YUI, HAJIME, JP
[71] NOK CORPORATION, JP
[85] 2018-05-09
[86] 2016-12-01 (PCT/JP2016/085671)
[87] (WO2017/094815)
[30] JP (2015-236458) 2015-12-03

[21] **3,004,852**
[13] A1
[51] **Int.Cl. C22B 1/00 (2006.01) C22B 1/02 (2006.01) C22B 1/11 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR THE DEPHOSPHORIZATION OF IRON ORE**
[54] **PROCEDE ET APPAREIL POUR LA DEPHOSPHORATION DU MINERAI DE FER**
[72] TOMMASI, LUCA, IT
[72] ARSENE, FLORINA LILIANA, IT
[71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2018-05-09
[86] 2016-11-11 (PCT/IB2016/056794)
[87] (WO2017/081646)
[30] IT (102015000072630) 2015-11-13

[21] **3,004,858**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04J 1/00 (2006.01)**
[25] EN
[54] **TERMINAL DEVICE, BASE STATION DEVICE, AND COMMUNICATION METHOD**
[54] **DISPOSITIF DE TERMINAL, DISPOSITIF DE STATION DE BASE, ET PROCEDE DE COMMUNICATION**
[72] SHIMEZAWA, KAZUYUKI, JP
[71] SONY CORPORATION, JP
[85] 2018-05-09
[86] 2017-01-24 (PCT/JP2017/002265)
[87] (WO2017/169005)
[30] JP (2016-070599) 2016-03-31

[21] **3,004,860**
[13] A1
[51] **Int.Cl. F27B 9/02 (2006.01) F26B 15/10 (2006.01) F26B 15/14 (2006.01) F26B 25/00 (2006.01)**
[25] EN
[54] **VERTICAL OVEN FOR MAINLY FLAT PARTS**
[54] **FOUR VERTICAL POUR DES PIECES PRINCIPALEMENT PLATES**
[72] DOVADOLA, MASSIMO, IT
[72] GIOVANNINI, CRISTIAN, IT
[72] FRANZONI, LUIGI, IT
[71] CEFLA SOCIETA' COOPERATIVA, IT
[85] 2018-05-09
[86] 2017-03-16 (PCT/IB2017/051536)
[87] (WO2017/158550)
[30] IT (102016000028461) 2016-03-18

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

---

[21] **2,967,401**
[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01) A61K 8/65 (2006.01) A61K 8/73 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **HYALURONIC ACID-COLLAGEN MATRICES FOR DERMAL FILLING AND VOLUMIZING APPLICATIONS**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT UN ANTICORPS MONOCLONAL RECOMBINANT QUI PROMEUT LA REMYELINISATION DU SYSTEME NERVEUX CENTRAL**
[72] YU, XIAOJIE, US
[72] MANESIS, NICHOLAS J., US
[72] POLLOCK, JACOB F., US
[71] ALLERGAN, INC., US
[71] ALLERGAN, INC., US
[22] 2012-11-02
[41] 2013-05-10
[62] 2,854,570
[30] US (61/555,970) 2011-11-04
[30] US (13/603,213) 2012-09-04
[30] US (13/605,565) 2012-09-06

---

[21] **2,971,029**
[13] A1
[51] **Int.Cl. B08B 3/04 (2006.01)**
[25] EN
[54] **PARTS WASHING OR CLEANING DEVICE INCLUDING REDIRECTORS**
[54] **APPAREIL DE NETTOYAGE OU DE LAVAGE DE PIECES COMPORTANT DES ELEMENTS DE REDIRECTION**
[72] VAN ZON, DAVID N., US
[71] ALLIANCE MANUFACTURING, INC., US
[22] 2017-06-15
[41] 2018-04-25
[30] US (62/412,515) 2016-10-25

---

[21] **2,977,243**
[13] A1
[51] **Int.Cl. B65D 21/08 (2006.01) B65D 19/06 (2006.01)**
[25] EN
[54] **ROTATING SIDEWALL STOP FOR SUPPORTING FOLDING SIDEWALLS OF A HEIGHT-EXTENDED BULK BOX**
[54] **BUTEE DE PAROI LATERALE PIVOTANTE DESTINEE A SUPPORTER DES PAROIS LATERALES PLIANTES D'UNE BOITE DE VRAC A HAUTEUR PROLONGEE**
[72] MCDADE, CLINTON LAWRENCE, US
[71] SCHAEFER SYSTEMS INTERNATIONAL, INC., US
[22] 2017-08-24
[41] 2018-04-03
[30] US (62/403,357) 2016-10-03
[30] US (15/678,561) 2017-08-16

---

[21] **2,977,366**
[13] A1
[51] **Int.Cl. A23L 19/00 (2016.01) A23L 5/10 (2016.01) B65D 81/34 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR PREPARING SPAGHETTI SQUASH**
[54] **METHODES ET APPAREILLAGES DE PREPARATION DE COURGE SPAGHETTI**
[72] STEPIEN, BRIAN, US
[71] GROWERS EXPRESS, LLC, US
[22] 2017-08-24
[41] 2018-03-14
[30] US (15/265,416) 2016-09-14

---

[21] **2,977,513**
[13] A1
[51] **Int.Cl. B65D 30/08 (2006.01) B65D 30/10 (2006.01)**
[25] EN
[54] **RECYCLABLE PACKAGE MADE FROM CO-EXTRUDED FILM STRUCTURE**
[54] **EMBALLAGE RECYCLABLE FAIT D'UNE STRUCTURE DE PELLICULE COEXTRUDEE**
[72] CLARE, ROBERT HUGH, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2017-08-29
[41] 2018-03-01
[30] US (62/382,310) 2016-09-01

---

[21] **2,977,774**
[13] A1
[51] **Int.Cl. B29C 70/12 (2006.01)**
[25] EN
[54] **SURFACING FABRICS, COMPOSITES COMPRISING THE SAME, AND COMPOSITIONS AND METHODS FOR PREPARING THE SAME**
[54] **TISSUS DE SURFACAGE, COMPOSITES COMPORTANT LESDITS TISSUS, ET COMPOSITIONS ET METHODES DE PREPARATION ASSOCIEES**
[72] RATCLIFFE, BRANDON, US
[72] BLITON, RICHARD, US
[72] DOUGLASS, NELSON, US
[72] CARROLL, WILLIAM, US
[72] PHILLIPS, WILLIAM OSCAR, US
[71] PRECISION FABRICS GROUP, INC., US
[22] 2017-08-29
[41] 2018-03-02
[30] US (62/383,035) 2016-09-02
[30] US (15/687,133) 2017-08-25

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,977,886**
[13] A1
[51] **Int.Cl. B29C 51/10 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CONTINUOUS VACUUM FORMING OF EXTRUDED POLYMER SHEETS**
[54] **APPAREIL ET METHODE DE FORMAGE PAR ASPIRATION CONTINUE DE FEUILLES DE POLYMERE EXTRUDEES**
[72] KARR, GARY L., US
[72] VEACH, RICHARD R., US
[72] BAXTER, L. REX, US
[72] KRATZER, JEFF A., US
[72] BEASLEY, BRYAN, US
[71] PLY GEM INDUSTRIES, INC., US
[22] 2017-08-30
[41] 2018-02-28
[30] US (62/381,651) 2016-08-31

---

[21] **2,977,887**
[13] A1
[51] **Int.Cl. B65D 81/18 (2006.01)**
[25] EN
[54] **PASSIVE AND FORCED AIR COOLING FOR FRESH PRODUCE**
[54] **REFROIDISSEMENT D'AIR PASSIF ET FORCE DESTINE AUX PRODUITS FRAIS**
[72] MALCOLM, CHIRSTIAN DAMIAN, US
[71] DIRECT PACK, INC., US
[22] 2017-08-30
[41] 2018-02-28
[30] US (62/381,954) 2016-08-31

---

[21] **2,982,472**
[13] A1
[51] **Int.Cl. B01D 3/18 (2006.01)**
[25] EN
[54] **SEMICONTINUOUS DIVIDED WALL DISTALLATION**
[54] **DISTILLATION PAR MEMBRANE DIVISEE SEMICONTINUE**
[72] ADAMS, THOMAS A., II, CA
[72] BALLINGER, SARAH, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2017-10-16
[41] 2018-04-14
[30] US (62/408369) 2016-10-14

---

[21] **2,984,004**
[13] A1
[51] **Int.Cl. B01D 33/06 (2006.01) A01C 3/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN MACHINES FOR THE TREATMENT OF PIG SLURRY**
[54] **AMELIORATIONS AUX MACHINES DESTINEES AU TRAITEMENT DU LISIER DE PORC**
[72] ROMEU GUARDIA, GENER, ES
[71] ROTECNA, S.A., ES
[22] 2017-10-26
[41] 2018-05-02
[30] ES (201631399) 2016-11-02

---

[21] **2,984,054**
[13] A1
[51] **Int.Cl. B29C 45/26 (2006.01)**
[25] EN
[54] **RESIN INJECTION APPARATUS AND METHOD OF MANUFACTURING CORE PRODUCT**
[54] **APPAREILLAGE D'INJECTION DE RESINE ET METHODE DE FABRICATION DE PRODUIT PRINCIPAL**
[72] MABU, HIROTOSHI, JP
[71] MITSUI HIGH-TEC, INC., JP
[22] 2017-10-27
[41] 2018-04-30
[30] JP (2016-212555) 2016-10-31
[30] JP (2017-170628) 2017-09-05

---

[21] **2,984,208**
[13] A1
[51] **Int.Cl. B07B 1/46 (2006.01)**
[25] EN
[54] **DESIGN IMPROVEMENTS FOR MECHANICAL SEPARATION DEVICES**
[54] **AMELIORATIONS DE MODELE DE DISPOSITIFS DE SEPARATION MECANIQUE**
[72] GALLOP, CHARLES C., US
[71] ICM, INC., US
[22] 2017-10-30
[41] 2018-05-04
[30] US (62/417,983) 2016-11-04

---

[21] **2,984,219**
[13] A1
[51] **Int.Cl. B65D 5/18 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **CARTON AND BLANK THEREFOR**
[54] **CARTON ET EBAUCHE ASSOCIEE**
[72] BRUNDAGE, DAVID J., US
[72] REBMANN, CHAD, US
[72] MACK, JORY B., US
[71] WESTROCK SHARED SERVICES, LLC, US
[22] 2017-10-30
[41] 2018-05-04
[30] US (62/417678) 2016-11-04

---

[21] **2,984,223**
[13] A1
[51] **Int.Cl. B65D 25/38 (2006.01) B67D 7/30 (2010.01) G01F 11/04 (2006.01)**
[25] EN
[54] **SELECTIVE METERED DOSE DISPENSING DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION DE DOSE CALCULEE SELECTIVE**
[72] VENTURI, JOHN-PHILIP, CA
[72] MORRISON, BILLY, US
[72] BEDNARCZYK, ANDREA, CA
[72] DELBUSSO, MARCO, CA
[71] NH REAL ESTATE HOLDINGS LTD., CA
[22] 2017-10-30
[41] 2018-04-29
[30] US (62/414,717) 2016-10-29

---

[21] **2,984,281**
[13] A1
[51] **Int.Cl. B05B 7/26 (2006.01) B05B 9/04 (2006.01)**
[25] EN
[54] **HIGH-VOLUME FOAM SPRAY GUN**
[54] **PISTOLET PULVERISATEUR DE MOUSSE A HAUT VOLUME**
[72] WESTBY, BERNARD, US
[72] ELLIS, PETER, US
[71] PEDERO PIPE SUPPORT SYSTEMS USA, LP, US
[22] 2017-11-01
[41] 2018-05-09
[30] US (62/419,831) 2016-11-09
[30] US (15/714,829) 2017-09-25

---

[21] **2,984,298**
[13] A1
[51] **Int.Cl. B65D 55/06 (2006.01) B65D 43/16 (2006.01)**
[25] EN
[54] **TAMPER-EVIDENT CONTAINER WITH A TABBED HINGE**
[54] **CONTENANT INVIOLABLE DOTE D'UNE CHARNIERE A PATTE**
[72] ALLERS, BRIAN S., US
[72] WARNER, MICHAEL V., US
[71] GENPAK, LLC, US
[22] 2017-10-30
[41] 2018-04-28
[30] US (15/338145) 2016-10-28
[30] US (15/797313) 2017-10-30

---

[21] **2,984,526**
[13] A1
[51] **Int.Cl. B01D 21/00 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **DILUENT TREATED DRILLING WASTE MATERIAL RECOVERY PROCESS AND SYSTEM**
[54] **PROCEDE DE RECUPERATION DE MATIERES RESIDUELLES DE FORAGE TRAITEES AU DILUANT ET SYSTEME**
[72] ROSS, STAN, CA
[72] PALMER, WENDELL, CA
[71] RECOVER ENERGY SERVICES INC., CA
[22] 2017-11-02
[41] 2018-05-03
[30] US (62/416,952) 2016-11-03

---

[21] **2,984,748**
[13] A1
[51] **Int.Cl. B01D 53/86 (2006.01)**
[25] EN
[54] **METHANE CONVERTER AND METHOD OF CONVERTING METHANE EMISSIONS**
[54] **CONVERTISSEUR DE METHANE ET METHODE DE CONVERSION DES EMISSIONS DE METHANE**
[72] MALDONADO, ALEJANDRO, CA
[72] WERAN, LORNE, CA
[72] MAH, KOR ZHENG, CA
[72] SZYNKARCZUK, JAREK, CA
[71] CCI THERMAL TECHNOLOGIES INC., CA
[22] 2017-11-06
[41] 2018-05-07
[30] US (62/418,406) 2016-11-07

---

[21] **2,985,008**
[13] A1
[51] **Int.Cl. B65D 81/02 (2006.01) B65D 75/02 (2006.01)**
[25] EN
[54] **FRAME END CAP PACKAGE**
[54] **ENSEMBLE DE CAPUCHON D'EXTREMITE DE CADRE**
[72] MARTIN, RYAN, US
[72] FORREST, EARL DAVID, US
[71] LIBERTY HARDWARE MFG. CORP., US
[22] 2017-11-08
[41] 2018-05-09
[30] US (62/419,587) 2016-11-09
[30] US (15/652,415) 2017-07-18

---

[21] **2,995,467**
[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01) C07H 21/00 (2006.01) C07K 16/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **HAPTENS, HAPTEN CONJUGATES, COMPOSITIONS THEREOF AND METHOD FOR THEIR PREPARATION AND USE**
[54] **HAPTENES, CONJUGUES D'HAPTENES, COMPOSITIONS ASSOCIEES ET METHODE DE PREPARATION ET UTILISATION ASSOCIEES**
[72] KOSMEDER, JERRY W., US
[72] LEFEVER, MARK, US
[72] JOHNSON, DONALD, US
[72] FARRELL, MICHAEL, US
[72] ZHILINA, ZHANNA, US
[72] BIENIARZ, CHRISTOPHER, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
[22] 2007-11-01
[41] 2008-05-29
[62] 2,858,359
[30] US (60/856133) 2006-11-01

---

[21] **2,995,547**
[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01) A61B 17/86 (2006.01) A61C 8/00 (2006.01) A61C 19/02 (2006.01)**
[25] FR
[54] **PACKAGING FOR AN OBJECT AND SET COMPRISING SUCH PACKAGING**
[54] **EMBALLAGE POUR OBJET ET ENSEMBLE COMPRENANT UN TEL EMBALLAGE**
[72] RICHART, OLIVIER, FR
[71] SELENIUM MEDICAL, FR
[22] 2011-04-22
[41] 2011-11-03
[62] 2,795,463
[30] FR (1053191) 2010-04-27

---

[21] **3,000,321**
[13] A1
[51] **Int.Cl. H01H 9/02 (2006.01) G01R 1/20 (2006.01) H01H 1/58 (2006.01) H01H 3/02 (2006.01)**
[25] EN
[54] **LEVEL CONNECTOR FOR A MULTI-POLE TEST SWITCH**
[54] **COMMUTATEUR DE TEST ELECTRIQUE DOTE D'UNE BASE SOLIDIFIANTE**
[72] BOURGEOIS, JEAN-RAYMOND, CA
[71] BOURGEOIS, JEAN-RAYMOND, CA
[22] 2016-04-11
[41] 2016-10-10
[62] 2,989,641
[30] US (62/145,850) 2015-04-10

[21] **3,002,446**
[13] A1
[51] **Int.Cl. H04N 21/462 (2011.01) H04N 21/431 (2011.01) H04N 21/454 (2011.01) H04N 21/6334 (2011.01) H04N 5/445 (2011.01)**
[25] EN
[54] **MULTIPLE INTERACTIVE ELECTRONIC PROGRAM GUIDE SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES DE GUIDE DE PROGRAMMES ELECTRONIQUE, MULTIPLE ET INTERACTIF**
[72] KNOWLES, JAMES H., US
[72] JOHNSON, KENNETH DAVID, US
[72] CHANG, GORDON, US
[71] ROVI GUIDES, INC., US
[22] 2000-03-06
[41] 2000-09-08
[62] 2,816,164
[30] US (60/123,294) 1999-03-04
[30] US (60/135,004) 1999-05-20

[21] **3,002,818**
[13] A1
[51] **Int.Cl. G01N 23/10 (2018.01) G01N 23/083 (2018.01) G01N 23/087 (2018.01)**
[25] EN
[54] **HIGH-SPEED SECURITY INSPECTION SYSTEM**
[54] **SYSTEME D'INSPECTION DE SECURITE HAUTE VITESSE**
[72] MORTON, EDWARD JAMES, GB
[71] RAPISCAN SYSTEMS, INC., US
[22] 2018-04-25
[41] 2018-04-25
[30] US (61/596,648) 2012-02-08

[21] **3,002,931**
[13] A1
[51] **Int.Cl. H04R 29/00 (2006.01) G10L 19/032 (2013.01) H04R 3/00 (2006.01)**
[25] EN
[54] **AUDIO SIGNAL PROCESSING DEVICE, AUDIO SIGNAL PROCESSING METHOD AND AUDIO SIGNAL PROCESSING PROGRAM**
[54] **APPAREIL DE TRAITEMENT DE SIGNAL AUDIO ET METHODE DE TRAITEMENT DE SIGNAL AUDIO DESTINEE A ATTENUER L'AUGMENTATION SOUDAINE DE L'AMPLITUDE DU SIGNAL AUDIO DECODE**
[72] TSUTSUMI, KIMITAKA, JP
[72] KIKUIRI, KEI, JP
[72] YAMAGUCHI, ATSUSHI, JP
[71] NTT DOCOMO, INC., JP
[22] 2014-10-10
[41] 2015-05-07
[62] 2,918,715
[30] JP (2013-224120) 2013-10-29

[21] **3,002,975**
[13] A1
[51] **Int.Cl. H04L 12/721 (2013.01) H04L 12/723 (2013.01) H04L 12/947 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IMPLEMENTING AND MANAGING VIRTUAL SWITCHES**
[54] **PROCEDE ET APPAREIL DESTINES A METTRE EN APPLICATION ET A GERER DES COMMUTATEURS VIRTUELS**
[72] CASADO, MARTIN, US
[72] INGRAM, PAUL S., US
[72] AMIDON, KEITH ERIC, US
[72] BALLAND, PETER J., III, US
[72] KOPONEN, TEEMU, US
[72] PFAFF, BENJAMIN LEVY, US
[72] PETTIT, JUSTIN, US
[72] GROSS, JESSE E., IV, US
[72] WENDLANDT, DANIEL J., US
[71] NICIRA, INC., US
[22] 2010-04-01
[41] 2010-10-07
[62] 2,913,167
[30] US (61/165,875) 2009-04-01

[21] **3,002,989**
[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A23L 33/15 (2016.01) A23P 10/35 (2016.01)**
[25] EN
[54] **NANOPARTICLE COMPOSITIONS AND METHODS AS CARRIERS OF NUTRACEUTICAL FACTORS ACROSS CELL MEMBRANES AND BIOLOGICAL BARRIERS**
[54] **COMPOSITIONS DE NANOPARTICULES ET PROCEDES UTILISES EN TANT QUE SUPPORTS DE FACTEURS NUTRACEUTIQUES A TRAVERS DES MEMBRANES CELLULAIRES ET DES BARRIERES BIOLOGIQUES**
[72] KAUFMAN, RICHARD CLARK, US
[71] NANOSPHERE HEALTH SCIENCES, LLC, US
[22] 2014-10-14
[41] 2015-04-23
[62] 2,926,797
[30] US (61/890,773) 2013-10-14

[21] **3,002,994**
[13] A1
[51] **Int.Cl. A61F 11/00 (2006.01) A61M 31/00 (2006.01) A61N 1/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE SIMULTANEOUS BILATERAL TREATMENT OF TARGET TISSUES WITHIN THE EARS**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT BILATERAL SIMULTANE DE TISSUS CIBLES DANS LES OREILLES**
[72] CLIFFORD, ANTON G., US
[72] LIU, GREGORY, US
[72] MORRISS, JOHN H., US
[72] MAKOWER, JOSHUA, US
[72] FACTEAU, WILLIAM M., US
[72] GOLDFARB, ERIC, US
[72] CHANG, JOHN Y., US
[72] SHAHOIAN, ERIK JAMES, US
[71] TUSKER MEDICAL, INC., US
[22] 2008-04-18
[41] 2008-10-30
[62] 2,925,902
[30] US (60/912,902) 2007-04-19

[21] **3,003,082**
[13] A1
[51] **Int.Cl. C12Q 1/6834 (2018.01) C12Q 1/6837 (2018.01) C12Q 1/6844 (2018.01) C40B 40/06 (2006.01) C40B 50/06 (2006.01) C40B 50/18 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **MICROARRAY FABRICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FABRICATION DE MICROPUCES**
[72] BOWEN, M. SHANE, US
[72] GUNDERSON, KEVIN L., US
[72] LIN, SHENGRONG, US
[72] BACIGALUPO, MARIA CANDELARIA ROGERT, US
[72] VIJAYAN, KANDASWAMY, US
[72] WU, YIR-SHYUAN, US
[72] VENKATESAN, BALA MURALI, US
[72] TSAY, JAMES, US
[72] BEIERLE, JOHN M., US
[72] BERTI, LORENZO, US
[72] PARK, SANG RYUL, US
[71] ILLUMINA, INC., US
[22] 2012-10-26
[41] 2013-05-02
[62] 2,856,163
[30] US (61/552,712) 2011-10-28

---

[21] **3,003,789**
[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **VIRTUAL NON-UNIFORM MEMORY ARCHITECTURE FOR VIRTUAL MACHINES**
[54] **ARCHITECTURE DE MEMOIRE VIRTUELLE NON UNIFORME (NUMA) POUR MACHINES VIRTUELLES**
[72] OSHINS, JACOB, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[22] 2010-03-19
[41] 2010-09-30
[62] 2,753,229
[30] US (12/412,258) 2009-03-26

---

[21] **3,003,793**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/068 (2006.01) A61B 17/072 (2006.01) A61B 17/28 (2006.01)**
[25] EN
[54] **GRASPING JAW MECHANISM**
[54] **MECANISME DE MACHOIRE DE SAISIE**
[72] SCIRICA, PAUL A., US
[71] COVIDIEN LP, US
[22] 2007-10-01
[41] 2008-04-06
[62] 2,895,725
[30] US (11/544,061) 2006-10-06

---

[21] **3,003,797**
[13] A1
[51] **Int.Cl. H04N 19/14 (2014.01) H04N 19/115 (2014.01) H04N 19/159 (2014.01) H04N 19/37 (2014.01) H04N 19/52 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING VIDEO AND METHOD AND APPARATUS FOR DECODING VIDEO BY CONSIDERING SKIP AND SPLIT ORDER**
[54] **PROCEDE ET APPAREIL POUR ENCODER UNE VIDEO ET PROCEDE ET APPAREIL POUR DECODER UNE VIDEO EN CONSIDERANT UN ORDRE DE SAUT ET DE PARTAGE**
[72] KIM, IL-KOO, KR
[72] MIN, JUNG-HYE, KR
[72] JUNG, HAE-KYUNG, KR
[72] LEE, SUN-IL, KR
[72] CHEON, MIN-SU, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2011-01-13
[41] 2011-07-21
[62] 2,920,090
[30] KR (10-2010-0003555) 2010-01-14

---

[21] **3,003,994**
[13] A1
[51] **Int.Cl. F21K 9/64 (2016.01) H01L 33/04 (2010.01) F21K 9/00 (2016.01) F21K 9/60 (2016.01) A01G 9/20 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **LIGHTING ASSEMBLY**
[54] **APPAREIL D'ECLAIRAGE**
[72] AIKALA, LARS, FI
[71] VALOYA OY, FI
[22] 2010-09-16
[41] 2011-03-24
[62] 2,767,905
[30] FI (20095967) 2009-09-18
[30] US (61/243,613) 2009-09-18
[30] US (12/797,215) 2010-06-09

---

[21] **3,004,012**
[13] A1
[51] **Int.Cl. B21J 15/02 (2006.01) B64F 5/10 (2017.01) B25J 9/00 (2006.01) B64C 1/12 (2006.01) F16B 5/04 (2006.01)**
[25] EN
[54] **TWO-STAGE RIVETING**
[54] **POSE DE RIVET EN DEUX ETAPES**
[72] OBEROI, HARINDER, US
[72] DRAPER, ALAN S., US
[72] SARH, BRANKO, US
[72] FINDLAY, MELISSA ANN, US
[72] ARRIAGA, JORGE ALBERTO, US
[71] THE BOEING COMPANY, US
[22] 2015-07-02
[41] 2016-01-09
[62] 2,896,059
[30] US (62/022,641) 2014-07-09
[30] US (14/559,483) 2014-12-03

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,004,018**
[13] A1
[51] **Int.Cl. B21J 15/02 (2006.01) B64F 5/10 (2017.01) B25J 9/00 (2006.01) B64C 1/12 (2006.01) F16B 5/04 (2006.01)**
[25] EN
[54] **TWO-STAGE RIVETING**
[54] **POSE DE RIVET EN DEUX ETAPES**
[72] OBEROI, HARINDER, US
[72] DRAPER, ALAN S., US
[72] SARH, BRANKO, US
[72] FINDLAY, MELISSA ANN, US
[72] ARRIAGA, JORGE ALBERTO, US
[71] THE BOEING COMPANY, US
[22] 2015-07-02
[41] 2016-01-09
[62] 2,896,059
[30] US (62/022,641) 2014-07-09
[30] US (14/559,483) 2014-12-03

---

[21] **3,004,025**
[13] A1
[51] **Int.Cl. B60N 3/04 (2006.01)**
[25] EN
[54] **REPLACEABLE CAR MAT HOLDER WITH A CONVERGENCE LINE HOLDING DEVICE**
[54] **DISPOSITIF DE MAINTIEN DE TAPIS D'AUTO AMOVIBLE**
[72] GARBARINO, GWENDOLYN MARY, US
[71] SILVER PLUME, LLC, US
[22] 2015-01-27
[41] 2015-08-04
[62] 2,880,209
[30] US (14/171,824) 2014-02-04

---

[21] **3,004,026**
[13] A1
[51] **Int.Cl. A47H 5/14 (2006.01) A47H 3/02 (2006.01) A47H 5/032 (2006.01) E06B 9/262 (2006.01) E06B 9/326 (2006.01)**
[25] EN
[54] **WINDOW COVERING**
[54] **COUVRE-FENETRE**
[72] LIN, TZONG-FU, CN
[71] WHOLE SPACE INDUSTRIES LTD., CN
[22] 2011-12-15
[41] 2012-06-27
[62] 2,762,050
[30] US (61/427,342) 2010-12-27

---

[21] **3,004,030**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01)**
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS DE REGULATION DES PLANTES ET LEURS UTILISATIONS**
[72] FLASINSKI, STANISLAW, US
[72] FLASINSKI, STANISLAW, US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2012-03-21
[41] 2012-10-04
[62] 2,831,133
[30] US (61/467,875) 2011-03-25

---

[21] **3,004,039**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01)**
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS DE REGULATION DES PLANTES ET LEURS UTILISATIONS**
[72] FLASINSKI, STANISLAW, US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2012-03-21
[41] 2012-10-04
[62] 2,831,133
[30] US (61/467,875) 2011-03-25

---

[21] **3,004,040**
[13] A1
[51] **Int.Cl. B21J 15/02 (2006.01) B64F 5/10 (2017.01) B25J 9/00 (2006.01) B64C 1/12 (2006.01) F16B 5/04 (2006.01)**
[25] EN
[54] **TWO-STAGE RIVETING**
[54] **POSE DE RIVET EN DEUX ETAPES**
[72] OBEROI, HARINDER, US
[72] DRAPER, ALAN S., US
[72] SARH, BRANKO, US
[72] FINDLAY, MELISSA ANN, US
[72] ARRIAGA, JORGE ALBERTO, US
[71] THE BOEING COMPANY, US
[22] 2015-07-02
[41] 2016-01-09
[62] 2,896,059
[30] US (62/022,641) 2014-07-09
[30] US (14/559,483) 2014-12-03

---

[21] **3,004,061**
[13] A1
[51] **Int.Cl. A61G 11/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **INCUBATOR**
[54] **INCUBATEUR**
[72] BINK, JEROEN, NL
[72] VAN DIJK, OSKAR, NL
[72] WILLEMSEN, HELEEN, NL
[72] VAN DENHOUT, JEROEN, NL
[71] NINGBO DAVID MEDICAL DEVICE CO., LTD., CN
[22] 2010-11-16
[41] 2012-05-24
[62] 2,815,746

---

[21] **3,004,069**
[13] A1
[51] **Int.Cl. B60P 3/07 (2006.01) B60D 1/14 (2006.01) B62D 49/00 (2006.01) B62D 53/08 (2006.01)**
[25] EN
[54] **FRONT TOW EXTENDED SADDLE**
[54] **SABOT AVANT PROLONGE DE REMORQUAGE**
[72] SCHUETTENBERG, DONALD W., US
[71] ATC TRANSPORTATION LLC, US
[22] 2007-08-08
[41] 2008-02-09
[62] 2,596,482
[30] US (11/463,390) 2006-08-09

[21] **3,004,075**
[13] A1
[51] **Int.Cl. A61M 1/12 (2006.01)**
[25] EN
[54] **HEART HELP DEVICE, SYSTEM, AND METHOD**
[54] **PROCEDE, SYSTEME ET DISPOSITIF D'ASSISTANCE CARDIAQUE**
[72] FORSELL, PETER, CH
[71] MEDICALTREE PATENT LTD., MT
[22] 2009-10-12
[41] 2010-04-15
[62] 2,776,450
[30] CH (0802135-4) 2008-10-10
[30] CH (0802136-2) 2008-10-10
[30] CH (0802139-6) 2008-10-10
[30] CH (0802140-4) 2008-10-10
[30] CH (0802141-2) 2008-10-10
[30] CH (0802142-0) 2008-10-10
[30] CH (0802143-8) 2008-10-10
[30] CH (0802144-6) 2008-10-10
[30] US (61/202380) 2009-02-24
[30] US (61/202382) 2009-02-24
[30] US (61/202383) 2009-02-24
[30] US (61/202393) 2009-02-25
[30] US (61/202404) 2009-02-25
[30] US (61/202405) 2009-02-25
[30] US (61/202406) 2009-02-25
[30] US (61/202407) 2009-02-25

---

[21] **3,004,093**
[13] A1
[51] **Int.Cl. E21B 7/04 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SURFACE STEERABLE DRILLING**
[54] **SYSTEME ET PROCEDE POUR FORAGE POUVANT ETRE DIRIGE DEPUIS LA SURFACE**
[72] BENSON, TODD W., US
[72] CHEN, TEDDY C., US
[71] MOTIVE DRILLING TECHNOLOGIES, INC., US
[22] 2012-12-10
[41] 2013-06-27
[62] 2,868,241
[30] US (13/334,370) 2011-12-22

---

[21] **3,004,101**
[13] A1
[51] **Int.Cl. E21B 7/20 (2006.01) E21B 17/07 (2006.01) E21B 19/06 (2006.01) E21B 33/035 (2006.01)**
[25] EN
[54] **SUBSEA DRILLING WITH CASING**
[54] **FORAGE SOUS-MARIN AVEC TUBAGE**
[72] TREVINO, JOSE A., US
[72] ODELL, ALBERT C.II, US
[72] TWARDOWSKI, ERIC M., US
[72] LE, TUONG THANH, US
[72] XU, WEI JAKE, US
[72] FEASEY, GUY F., GB
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[22] 2009-11-17
[41] 2010-05-20
[62] 2,873,799
[30] US (61/199,510) 2008-11-17

---

[21] **3,004,121**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 1/12 (2006.01)**
[25] EN
[54] **HEART HELP DEVICE, SYSTEM, AND METHOD**
[54] **PROCEDE, SYSTEME ET DISPOSITIF D'ASSISTANCE CARDIAQUE**
[72] FORSELL, PETER, CH
[71] MEDICALTREE PATENT LTD., MT
[22] 2009-10-12
[41] 2010-04-15
[62] 2,776,450
[30] SE (0802135-4) 2008-10-10
[30] SE (0802136-2) 2008-10-10
[30] SE (0802139-6) 2008-10-10
[30] SE (0802140-4) 2008-10-10
[30] SE (0802141-2) 2008-10-10
[30] SE (0802142-0) 2008-10-10
[30] SE (0802143-8) 2008-10-10
[30] SE (0802144-6) 2008-10-10
[30] US (61/202380) 2009-02-24
[30] US (61/202382) 2009-02-24
[30] US (61/202383) 2009-02-24
[30] US (61/202393) 2009-02-25
[30] US (61/202404) 2009-02-25
[30] US (61/202405) 2009-02-25
[30] US (61/202406) 2009-02-25
[30] US (61/202407) 2009-02-25

---

[21] **3,004,276**
[13] A1
[51] **Int.Cl. G01N 1/04 (2006.01) G21C 17/017 (2006.01)**
[25] EN
[54] **CIRCUMFERENTIAL SAMPLING TOOL HAVING MULTIPLE SAMPLE CUTTERS**
[54] **OUTIL D'ECHANTILLONNAGE PERIPHERIQUE COMPORTANT DES COUTEAUX D'ECHANTILLONNAGE MULTIPLES**
[72] HERSAK, GREG, CA
[72] KING, JAMES MITCH, CA
[72] WRAY, RICHARD, CA
[71] ATOMIC ENERGY OF CANADA LIMITED (AECL), CA
[22] 2009-09-30
[41] 2011-04-07
[62] 2,776,230

Index of Canadian Patents Issued

May 29, 2018

Index des brevets canadiens délivrés

29 mai 2018

3M INNOVATIVE PROPERTIES COMPANY 2,761,709
3M INNOVATIVE PROPERTIES COMPANY 2,803,078
3M INNOVATIVE PROPERTIES COMPANY 2,978,004
4427017 CANADA INC. 2,803,643
A O SCHALLINOX GMBH 2,839,185
AB INITIO TECHNOLOGY LLC 2,558,242
ABB OY 2,948,984
ABBOTT GMBH & CO. KG 2,806,816
ABBVIE DEUTSCHLAND GMBH & CO KG 2,670,368
ABBVIE INC. 2,670,368
ABELA, JEROME 2,803,491
ABURTO, JENNIE M. 2,939,645
ACCIPITER RADAR TECHNOLOGIES INC. 2,950,815
ACKERMAN, PATRICE K. 2,883,719
ADAPTIVE BIOTECHNOLOGIES CORP. 2,742,380
ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC. 2,867,845
ADDY, KENNETH L. 2,848,554
AESCHLIMANN, MARCEL 2,811,327
AGARWAL, ABHILESH 2,873,141
AGENA BIOSCIENCE, INC. 2,742,272
AGGARWAL, GAURAV 2,717,612
AGIENIC, INC. 2,835,650
AGRAFIOTI, FOTEINI 2,835,460
AGRAWAL, ANOOP 2,835,650
AIKAWA, YOSHIHIRO 2,992,541
AIRBUS DEFENCE AND SPACE GMBH 2,790,942
AIRBUS OPERATIONS (SAS) 2,746,580
AKARSU, MURAT 2,835,650
AKASAM, SIVAPRASAD 2,938,331
ALBANY INTERNATIONAL CORP. 2,920,979
ALBANY INTERNATIONAL CORP. 2,928,854
ALBONETTI, STEFANIA 2,754,132
ALCON RESEARCH, LTD. 2,780,304
ALCON RESEARCH, LTD. 2,823,821
ALEXIS, MARK 2,777,404
ALLEN, SCOTT D. 2,742,119
ALLENSPACH, ROLF 2,785,625
ALLEY, MICHAEL RICHARD KEVIN 2,810,021
ALTER, ROLF-MATHIAS 2,845,786
ALTERMANN, ERIC HEINZ 2,700,164
ALTMIKUS, ANDREE 2,893,408
ALUMA SYSTEMS INC. 2,666,003
ALVAREZ, MANUEL S. 2,845,857
AMPHLETT, GODFREY W. 2,893,252
AN, SEUNGJOO 2,873,374
ANACOR PHARMACEUTICALS, INC. 2,810,021
ANDERSON, BRYAN M. 2,755,839
ANDERSON, MICHAEL 2,897,008
ANDO, HIDEKI 2,774,871
ANDRADE DE SOUZA, WOLNEY 2,812,072
ANDRES, TODD T. 2,881,694
ANGELI, ROBERTO 2,800,094
ANGELINO, ANTHONY 2,939,645
ANGILELLA, JEAN-REGIS 2,982,987
ANIKET, NFN 2,927,746
AOI SEIKI CO., LTD. 2,924,896
APPLE INC. 2,935,782
ARAMAYO, THOMAS F. 2,753,431
ARCELORMITTAL INVESTIGACION Y DESARROLLO SL 2,868,147
ARCHER DANIELS MIDLAND COMPANY 2,820,940
ARCONIC INC. 2,868,264
ARDENT MEDICAL CORPORATION 2,852,759
ARDRON, DAVID NEIL 2,759,492
ARKEMA FRANCE 2,911,208
ARLANXEO NETHERLANDS B.V. 2,784,976
ARRIS ENTERPRISES LLC 2,923,807
ASCENSIA DIABETES CARE HOLDINGS AG 2,700,507
ASHITAKA, YU 2,964,781
ATC TRANSPORTATION LLC 2,596,482
ATHABASCA OIL CORPORATION 2,869,600
ATTRI, RAVI 2,949,825
ATTWOOD, GRAEME TREVOR 2,700,164
AUBIN, REGENT 2,915,752
AUBIN, REGENT 2,933,140
AUBURN GEAR, LLC 2,738,435
AUER, MARTIN 2,803,099
AWI LICENSING LLC 2,923,443
AXIKIN PHARMACEUTICALS, INC. 2,758,968
B. BRAUN MELSUNGEN AG 2,786,823
BACHELOR, DOUGLAS WILEY 2,918,472
BACZEK, FRANK 2,966,680
BAI, RUNQING 2,864,463
BALDI, GIOVANNI 2,754,132
BALK, WOUTER 2,811,286
BALL CORPORATION 2,956,783
BALMAIN, JOSSELINE 2,769,198
BALZ, ERIC R. 2,755,839
BAO, HANBO 2,913,187
BARABASH, ANDREW 2,943,763
BARATTA, CARLA 2,796,026
BARBER, JEFFREY B. 2,830,413
BARBERA, JAMES S. 2,728,794
BARFOOT, DAVID A. 2,921,564
BARLOW, EVE H. 2,670,368
BARLOW, JILLIAN 2,739,050
BARNICLE, KATHRYN A. 2,701,596
BARROW, JAMES C. 2,789,475
BARTEE, CHARLES 2,929,374
BARTFELD, BENJAMIN 2,949,825
BARTHOLOMAEUS, JOHANNES 2,807,621
BARTIER, JEROME 2,851,564
BARTKO, ANDREW P. 2,839,597
BARZANTI, ANDREA 2,754,132
BASE KING, LLC 2,703,424
BASF CORPORATION 2,798,332
BASF PHARMA (CALLANISH) LIMITED 2,873,141
BASIT, NAUMAN 2,918,861
BATCHVAROVA, NIKOLETA 2,737,690
BATTELLE MEMORIAL INSTITUTE 2,830,413
BATTELLE MEMORIAL INSTITUTE 2,839,597
BATTEY, ROBERT J. 2,881,694
BATTISTINI, ELISA 2,927,706
BATTLES, CHRISTOPHER A. 2,949,825
BAUM, KEVIN L. 2,923,807
BAUMAN, ELLEN 2,732,434
BAUMER, ULF-STEFFEN 2,801,793
BAYER HEALTHCARE LLC 2,790,401
BAYER INTELLECTUAL PROPERTY GMBH 2,795,801
BEATTIE, DOUG 2,869,600
BECKER, ALLAN 2,666,003
BECKER, MICHAEL 2,814,417
BECTON, DICKINSON AND COMPANY 2,867,146
BECTON, DICKINSON AND COMPANY 2,892,758
BECTON, DICKINSON AND COMPANY 2,911,452
BECTON, DICKINSON AND COMPANY 2,949,825
BEEKMANN, ALFRED 2,856,899
BEIJING FORELANDPHARMA CO. LTD. 2,931,147
BEIRIGER, MICHAEL JAMES 2,747,606
BELS, KEVIN 2,794,232

BEN MOSHE, EYAL 2,900,673
BEN-NUN, ITAY 2,925,611
BENAYON, J. 2,601,327
BERGMAN, ADAM S. 2,780,318
BERNIER, MICHEL 2,791,702
BERTATO, MAURIZIO C. 2,870,710
BERTHOD, GILLES 2,793,984
BEYOND INDUSTRIES (NANJING) LIMITED 2,927,975
BGC PARTNERS, INC. 2,544,188
BHAIDASNA, KETAN CHIMANLAL 2,926,919
BHANDARI, PRATIK NANDAN 2,892,130
BHARADWAJ, SUNIL 2,808,239
BIANCO, CAROLINA LUCIA 2,790,401
BIO-RAD LABORATORIES, INC. 2,787,124
BIOLIFE SOLUTIONS, INC. 2,760,175
BIRGE, NORMAN O. 2,874,551
BIRKIN, CHRISTOPHER MALCOLM 2,844,758
BITOSSI, MARCO 2,754,132
BLAAS, JORIK 2,840,294
BLACKBERRY LIMITED 2,794,063
BLACKBERRY LIMITED 2,808,642
BLACKBERRY LIMITED 2,900,451
BLACKBURN, ROBERT A. 2,723,930
BLAKBORN, WILLEM 2,803,099
BLINCKO, STUART 2,806,816
BLOSI, MAGDA 2,754,132
BLUHM, ROMAN 2,813,046
BLUM, RONALD D. 2,675,772
BLUM, THOMAS 2,857,068
BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY 2,874,551
BOBO, DAVID 2,928,743
BOCHENKO, WALTER J. 2,892,758
BOCHMANN, GREGOR VON 2,738,289
BODE, ANDREAS 2,798,909
BOEHM, DAVID W. 2,633,067
BOLLE, RUDOLF MAARTEN 2,717,612
BOMKE, JOERG 2,742,737
BONILLA, ABSALON 2,716,404
BONNET, GILLES 2,769,198
BONTU, CHANDRA SEKHAR 2,900,451
BOORSE, SAMUEL R. 2,798,332
BORGHI, ENZO 2,802,268
BORM, ACHIM 2,857,068
BORSKY, CASSIE A. 2,834,620
BOSMA, JESSE MATTAN 2,776,937
BOSTON SCIENTIFIC SCIMED, INC. 2,699,675
BOTARGUES, PAULE 2,746,580
BOTELHO, JOSEPH P. 2,920,979
BOUCHAUD, BAPTISTE 2,769,198
BOUDART, BERTRAND 2,982,987
BOULIANE, MARTIN JOSEPH 2,769,747
BOURRET, THIERRY 2,746,580
BOUTWELL, DOYLE FREDRIC JR. 2,893,887
BOWDEN, JENNIFER L. 2,920,979
BOYD, MICHAEL 2,943,763
BRACCO IMAGING SPA 2,927,706
BRADFIELD, JONATHAN 2,716,375
BRADLEY, DONALD ALBERT 2,928,973
BRANDT, MATHIEU 2,868,147
BRAUNGARDT, JURGEN 2,923,877
BRAUNGARDT, JURGEN 2,923,914
BRENIMAN, GENE 2,787,124
BRENNEIS, CHAD D. 2,821,573
BREVNOVA, ELENA E. 2,729,924
BRICK, CLIFTON P. 2,789,792
BRICKL, JEFFREY 2,882,578
BRIDGES, KEVIN J. 2,859,905
BROMLEY-DAVENPORT, DARREN 2,791,054
BROWN, ROBERT C. 2,801,021
BRUME, SHAWN OWEN 2,757,433
BUGGY, JOSEPH J. 2,874,756
BUHRMANN, MICHAEL F. 2,804,455
BUI, FRANCIS MINHTHANG 2,835,460
BUILDING MATERIALS INVESTMENT CORPORATION 2,888,817
BULLINGTON, SHAWN 2,895,322
BUNDESDRUCKEREI GMBH 2,641,355
BUONSANTI, FEDERICA 2,927,706
BUREL, LUCAS 2,746,580
BURGEL, THOMAS 2,918,899
BURROUGHS, KIRK ALLAN 2,766,369
BUZZA, STEPHEN A. 2,888,817
BYRD, STEPHEN 2,808,239
C A CASYSO AG 2,794,232
C&D ZODIAC, INC. 2,931,576
C. R. BARD, INC. 2,584,663
CAI, ZHIJUN 2,900,451
CALLAGHAN, DAVID MICHAEL 2,814,963
CAO, WEI 2,924,935
CAO, WENLI 2,924,935
CARIDIS, ANDREW A. 2,776,157
CARIDIS, ANTHONY A. 2,776,157
CARON, OLIVIER 2,760,753
CARR, ROBERT MICHAEL, JR. 2,584,663
CARRASCO, CESAR 2,839,185
CARRON, CHRIS J. 2,852,759
CARTER, YOLANDA F. 2,798,709
CARUCCIO, NICHOLAS 2,750,054
CASEY, GREGORY P. 2,790,476
CAUDLE, MATTHEW T. 2,798,332
CELLDEX THERAPEUTICS, INC. 2,811,291
CERCIELLO, ANTONIO 2,907,669
CHAIKO, DAVID J. 2,966,680
CHAMORRO, CARLOS O. 2,716,404
CHAMPREDONDE, JONATHAN 2,775,382
CHANDUSZKO, ANDRZEJ JERZY 2,584,663
CHANG, CHIH-YAO 2,941,952
CHANG, SHANG-CHIA 2,776,538
CHANG, SHIH CHANG 2,935,782
CHANG, WEN 2,938,777
CHART ENERGY & CHEMICALS, INC. 2,793,469
CHASTEEN, HOWARD C. 2,956,783
CHATURVEDI, RAMESHKUMAR 2,792,634
CHATURVEDI, SIVAKUMAR 2,792,634
CHATURVEDULA, VENKATA SAI PRAKASH 2,783,621
CHEN, BO 2,931,147
CHEN, HONG 2,985,012
CHEN, LIANZHOU 2,978,004
CHEN, SHANE 2,664,142
CHEN, SHENGXIAN 2,924,935
CHEN, WEI 2,874,756
CHEN, YONG HONG 2,693,712
CHEN, ZHIRONG 2,919,468
CHENG, NATHAN 2,985,012
CHENG, YA-HUI 2,896,323
CHEREWYK, BORIS (BRUCE) P. 2,921,588
CHERUBINI, GIOVANNI 2,780,235
CHERVON (HK) LIMITED 2,930,258
CHERVON (HK) LIMITED 2,938,777
CHEVRON PHILLIPS CHEMICAL COMPANY LP 2,799,228
CHIA, NEVILLE YU LENG 2,911,452
CHIGURUPATI, SAMBASIVA RAO 2,892,130
CHIOU, CHUNG-FAN 2,776,538
CHIROL, LUC 2,963,355
CHITNIS, SMITA 2,742,272
CHOLAS, CHRIS 2,813,737
CHOO, KI HYUN 2,923,285
CHOROMANSKI, PIERRE 2,787,611
CHRISTENSEN, WILLIAM M. 2,789,971
CHUB, SERGEY 2,787,626
CHURCHILL, MATTHEW HENRY 2,857,465
CICERON, PHILIPPE 2,911,208
CIDRA CORPORATE SERVICES INC. 2,846,356
CIRCASSIA LIMITED 2,729,644
CLARK, NATHAN G. 2,968,220
CLARKE, DOMINIC M. 2,760,175
CLERMONT, MARKUS 2,747,475
CLIMOTE LIMITED 2,828,507
CNH INDUSTRIAL BELGIUM NV 2,914,106
COFFEY, MATTHEW 2,680,661
COLLADON, FABRICE 2,793,984
COLOROBBIA ITALIA S.P.A. 2,754,132
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 2,775,382
CONLEY, JORDAN 2,805,109
CONNER, BRETT 2,868,264
CONTRERAS, ROBERT E. 2,701,596
CONTROLRAD SYSTEMS INC. 2,975,699
CONVERGENT DENTAL, INC. 2,825,182
COORS BREWING COMPANY 2,790,476
CORFIELD, GRAHAM 2,829,273
CORROSION ENGINEERING, INC. 2,824,899
COULSON ICE BLAST LTD. 2,964,016
COULSON, FOSTER 2,964,016
CQUOTIENT, INC. 2,863,722
CRAMPTON, CHRISTOPHER P. 2,882,799

CRAWFORD, JAMIESON W. 2,911,452
CRAWFORD, JAMIESON W. 2,949,825
CRONIN, JOHN P. 2,835,650
CRONIN, MICHAEL D. 2,798,709
CROVETTO, ROSA 2,740,635
CUI, SHIMIN 2,746,136
CUPID FOUNDATIONS, INC. 2,939,645
CURBELO, RAUL HUGO 2,918,472
CURDT, INGO 2,806,816
CYCLONE CATALYST PROPERTIES, LLC 2,844,484
CYNETIC DESIGNS LTD. 2,777,596
CYTEC TECHNOLOGY CORP. 2,784,292
D'AMATO, GIANFRANCO 2,900,065
DAHL, GARY 2,750,054
DAI, YONG 2,893,252
DALCENT CRIVELARO, ALEXANDRINO 2,812,072
DAMAKA, INC. 2,792,634
DANNENBERG, RHONDA M. 2,790,476
DASIN MACHINERY CO., LTD. 2,979,236
DATTA, MICHAEL 2,797,754
DAVIDSON, BEVERLY L. 2,693,712
DAVIS, GEORGE MATTHEW 2,894,154
DAVIS, MARK ALAN 2,806,039
DAVOL INC. 2,925,611
DE BOER, WOLFGANG 2,856,899
DE CHILDERS, WINTHROP 2,892,758
DE GERSEM, HANS JOSEPH 2,914,106
DE OLIVEIRA SOUZA, RICARDO 2,812,072
DE VILLIERS, DAVID 2,947,514
DE VITTORI, NELSON 2,942,456
DE WERGIFOSSE, ERIC 2,797,287
DECK, PHILIP D. 2,740,635
DEINEMA, MATTHEW P. 2,938,118
DEIVASIGAMANI, SRIDHAR 2,938,331
DELABBIO, FREDRIC CHRISTOPHER 2,789,896
DELGADO, REYNOLDS M., III 2,838,073
DELKOR SYSTEMS, INC. 2,857,465
DELLA NEGRA, FEDERICO 2,796,026
DELTA FAUCET COMPANY 2,812,784
DENNIS, KEVIN 2,841,052
DENTSPLY INTERNATIONAL INC. 2,806,845
DENTSPLY INTERNATIONAL, INC. 2,897,008
DEOLALIKAR, NEELESH V. 2,931,101
DEPUY SYNTHES PRODUCTS, INC. 2,805,109
DERRINGTON, IAN M. 2,790,672
DETNET SOUTH AFRICA (PTY) LTD. 2,844,758
DETNET SOUTH AFRICA (PTY) LTD. 2,844,836
DEVANARAYAN, VISWANATH 2,806,816
DEY, DEBJIT 2,700,164
DHEIN, JENS 2,806,816
DICKIE, ROBERT G. 2,933,912
DIEHL AEROSPACE GMBH 2,847,308
DIETERLE, MARTIN 2,798,332
DIETRICH, KURT D. 2,803,078
DILLENBERGER, DONNA N. 2,780,231
DINA, DANIEL 2,894,154
DING, CHARLES 2,810,021
DIPHARMA S.A. 2,828,685
DIX, DANIEL 2,598,711
DJUPESLAND, PER GISLE 2,642,608
DOBKOWSKI, BRIAN JOHN 2,795,899
DOBSON, KENNETH S. 2,918,861
DOLBY INTERNATIONAL AB 2,981,317
DOLBY INTERNATIONAL AB 2,981,328
DOMES, JAN 2,641,355
DONDI, MICHELE 2,754,132
DONOVAN, JAMES G. 2,928,854
DOREMAELE VAN, GERARDUS HENRICUS JOSEPHUS 2,784,976
DOW TECHNOLOGY INVESTMENTS LLC 2,758,818
DOWNIE, ANDREW M. 2,882,799
DOWNING, ANDREW JAMES 2,891,318
DRYFOOS, ROBERT OCHS 2,723,930
DU, ZHENJIAN 2,931,147
DUBOIS, GRANT E. 2,783,621
DUCOTE, DOUG DOUGLAS, JR. 2,793,469
DUERR, GERHARD 2,749,608
DUGAN, PATRICK D. 2,798,709
DULLE, KARL-HEINZ 2,801,793
DUNN, DONALD C. 2,824,899
DUNPHY, JAMES 2,896,438
E-VISION SMART OPTICS INC. 2,675,772
EASOM, ERIC 2,810,021
EATON CORPORATION 2,755,184
EC TECHNIK GMBH 2,845,786
ECOLAB USA INC. 2,755,839
ECOLAB USA INC. 2,789,971
EDEN, GEORG 2,856,899
EDGE, STEPHEN W. 2,766,369
EGGLESTON, YVES 2,868,660
EKSTRAND, PER 2,981,317
EKSTRAND, PER 2,981,328
EL FASSI, SAIED 2,794,194
ELC PRODUTOS DE SEGURANCA INDUSTRIA E COMERCIO LTDA. 2,812,072
ELECTROLUX HOME PRODUCTS CORPORATION N.V. 2,749,608
ELECTRONIC WARFARE ASSOCIATES, INC. 2,749,799
ELFVING, LARS 2,783,201
ELKINS, ELIZABETH WINTERS 2,918,472
EMEOTT, STEPHEN P. 2,923,807
EMPLICURE AB 2,761,000
EMPULSE GEOPHYSICS LTD. 2,941,995
EN TECHNOLOGY CORPORATION 2,758,868
ENGQVIST, HAEKAN 2,761,000
ENSYNC, INC. 2,841,052
EPICENTRE TECHNOLOGIES CORPORATION 2,750,054
EPLETT, JOHN T. 2,790,476
EPSILINE 2,777,036
ERICSON, JEREMIAH JOE 2,857,465
ESPOSITO, SABRINA 2,785,825
ETHICON ENDO-SURGERY, INC. 2,798,709
EVASC NEUROVASCULAR ENTERPRISES ULC 2,834,620
EVOQUA WATER TECHNOLOGIES LLC 2,939,347
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 2,845,857
EYZAGUIRRE, CARLOS 2,966,680
F. HOFFMANN-LA ROCHE AG 2,822,161
FACEBOOK, INC. 2,892,317
FACEBOOK, INC. 2,902,200
FAHAM, MALEK 2,742,380
FAIVELEY TRANSPORT WITTEN GMBH 2,858,867
FALKIEWICZ, TIMOTHY MARTIN 2,806,039
FANG, NING CHARLES 2,928,973
FANN, JENN-YEH 2,776,538
FARINA, CLAUDIO 2,785,825
FASTER S.P.A. 2,746,105
FELIX, FABIO 2,917,577
FENTON, PATRICK C. 2,861,253
FILIPPINI, BRIAN B. 2,750,240
FISCHBACH, JEAN-PAUL 2,868,147
FISCHER, CHRISTIAN ERICH 2,857,068
FISHER, STEVE 2,917,649
FLASINSKI, STANISLAW 2,851,035
FLATT, JIM 2,729,924
FLAUM, ISER B. 2,749,799
FLEMING, GRAHAM CHRISTOPHER 2,874,977
FLITSCH, FREDERICK A. 2,900,480
FLSMIDTH A/S 2,966,680
FOGG, DAVID 2,775,999
FOLEY, KEVIN M. 2,544,188
FONG, JEFFREY CHENG-YAO 2,787,626
FORBING, ARIC 2,907,505
FORET PLASMA LABS, LLC 2,894,535
FORET, TODD 2,894,535
FORREST, JAMES L. 2,738,435
FORSS, STANLEY 2,783,201
FORST, KLAUS-MARTIN 2,749,608
FORTMANN, JENS 2,813,046
FOSCO, ANTONIO 2,917,577
FOUNTAIN, THOMAS C. 2,918,472
FRANCOTYP-POSTALIA GMBH 2,928,673
FRANK, ALEXANDER 2,826,244
FRANKENA, DOUWE 2,760,909
FRASER, ROBIN 2,801,617
FREESE, ROBERT P. 2,922,420
FREIRE DE LA CRUZ, JOSE ANTONIO 2,798,908
FRESENIUS KABI DEUTSCHLAND GMBH 2,814,417
FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH 2,807,621
FRESENIUS MEDICAL CARE HOLDINGS, INC. 2,747,606
FRIED, ITZHAK 2,859,648

FRIEDRICH, KARL-ERNST 2,848,145
FRIES-SCHAFFNER, EVA 2,807,621
FRIPP, MICHAEL L. 2,927,400
FRIPP, MICHAEL LINLEY 2,900,550
FRIPP, MICHAEL LINLEY 2,900,552
FRIPP, MICHAEL LINLEY 2,900,554
FRITSCH, RUDY J. 2,783,621
FRYE, KELLY 2,598,711
FU, CHIH-MING 2,794,378
FU, HUIXING 2,938,777
FU, TSU-JU 2,776,538
FUGRO ENGINEERS B.V. 2,872,057
FUJII, ATSUSHI 2,831,749
FUJII, HIROSATO 2,803,558
FUJIMOTO PHARMACEUTICAL CORPORATION 2,774,871
FUJIWARA, TAKAHIRO 2,992,541
FUNCK, FRANK 2,801,793
FUNDACIO HOSPITAL UNIVERSITARI VALL D'HEBRON - INSTITUT DE RECERCA (HUVH IR) 2,806,816
FUNG, ERIC SOUN-SANG 2,834,620
FUNK, MATHIAS 2,840,294
FWU, JONG-KAE 2,866,352
GALINDO, KAY A. 2,925,470
GALLI, STEFANO 2,867,845
GALM, ANDRE 2,805,109
GAMBINO, MARK RICHARD 2,723,930
GANDHI, ANILKUMAR SURENDRAKUMAR 2,828,685
GANDHI, BHAVAN 2,923,807
GANDHI, CHHAYAL 2,729,924
GANSU ELECTRIC POWER CORPORATION 2,864,463
GANSU ELECTRIC POWER RESEARCH INSTITUTE 2,864,463
GAO, CONGMIN 2,931,147
GAO, SHIWEI 2,900,451
GARCIA DE LA TORRE, SILVIA 2,790,295
GASS, DALE L. 2,755,184
GEBO PACKAGING SOLUTIONS FRANCE 2,804,323
GELLINER LIMITED 2,947,514
GENERAL ELECTRIC COMPANY 2,740,635
GENERAL ELECTRIC COMPANY 2,812,225
GENERAL ELECTRIC COMPANY 2,819,834
GENERAL ELECTRIC COMPANY 2,928,973
GEODYNAMICS, INC. 2,968,220
GEORGE, KEVIN R. 2,968,220
GERBER, THEUNIS JOHANNES 2,905,298
GEREZ, VALERIO 2,811,286
GET-A-GRIP CHAFING PANS, LLC 2,804,660
GHAYUR, TARIQ 2,670,368
GIFFORD, JOSEPH D. 2,939,347
GILES, DONALD 2,776,157
GINIS, GEORGIOS 2,867,845
GINTER, THOMAS S. 2,804,455
GLESSNER, JOSEPH 2,716,375
GOEBEL-MEHL, STEPHANIE 2,811,327
GOERLICH, BRUCE 2,878,961
GOGOVA, MARIA 2,794,638
GOLDAK, DAVID KELSEY 2,941,995
GOLDBURG, MARC 2,867,845
GONG, LONGLONG 2,931,147
GONZALEZ NAVARRO, CARLOS JAVIER 2,790,295
GOODWIN, A. SCOTT 2,922,173
GOODWIN, SCOTT 2,929,374
GRANDPERRET, ERWIN 2,746,580
GRANGER, SCOTT 2,760,753
GRANT, STRUAN 2,716,375
GRAY, DENNIS WILLIE 2,883,024
GREEN, MARTIN RAYMOND 2,696,513
GREENBERG, STEVEN M. 2,852,759
GREGORY, MATTHEW ALAN 2,788,761
GRIFFIN, JASON TYLER 2,794,063
GRIFFIN, MICHAEL 2,787,124
GRIFFIN, SCOTT 2,784,292
GRIFFITHS, STEPHEN 2,803,078
GROUNDMETRICS, INC. 2,824,762
GRUNBECK, JOHN J. 2,896,438
GRUNENWALD, HAIYING LI 2,750,054
GRUNEWALDER, JOHN F. 2,917,457
GUAN, JINGWEN 2,801,617
GUBERNICK, DAVID 2,737,690
GUCKEL, CHRISTIAN 2,985,012
GUDE, KERSTIN 2,795,801
GUEZ, ALLON 2,975,699
GUHEL, YANNICK 2,982,987
GUNDABATHULA, SATISH 2,792,634
GUNDLACH, JENS H. 2,790,672
GUSEV, ALEKSANDR OLEGOVICH 2,917,342
GUSHANAS, TIM 2,793,469
GUTSU, YURY P. 2,893,887
HABERSTICH, WELLS D. 2,798,709
HADDOCK, JOSHUA N. 2,675,772
HADWIGER, PHILIPP 2,822,161
HAEGGLUND, MAGNUS 2,783,201
HAENSCH, MANFRED 2,790,942
HAFNER, RODERICK PETER 2,642,608
HAGGSTROM, JOHANNA 2,922,420
HAHN, ALEXANDER 2,907,464
HAHN, JOCHEM 2,795,395
HAKONARSON, HAKON 2,716,375
HALL, LEE J. 2,898,135
HALL, STEVEN G. 2,798,709
HALLIBURTON ENERGY SERVICES, INC. 2,821,573
HALLIBURTON ENERGY SERVICES, INC. 2,882,799
HALLIBURTON ENERGY SERVICES, INC. 2,883,024
HALLIBURTON ENERGY SERVICES, INC. 2,885,260
HALLIBURTON ENERGY SERVICES, INC. 2,889,600
HALLIBURTON ENERGY SERVICES, INC. 2,891,318
HALLIBURTON ENERGY SERVICES, INC. 2,892,940
HALLIBURTON ENERGY SERVICES, INC. 2,898,135
HALLIBURTON ENERGY SERVICES, INC. 2,900,550
HALLIBURTON ENERGY SERVICES, INC. 2,900,552
HALLIBURTON ENERGY SERVICES, INC. 2,900,554
HALLIBURTON ENERGY SERVICES, INC. 2,917,403
HALLIBURTON ENERGY SERVICES, INC. 2,921,564
HALLIBURTON ENERGY SERVICES, INC. 2,922,420
HALLIBURTON ENERGY SERVICES, INC. 2,924,636
HALLIBURTON ENERGY SERVICES, INC. 2,925,470
HALLIBURTON ENERGY SERVICES, INC. 2,926,919
HALLIBURTON ENERGY SERVICES, INC. 2,927,400
HALLIBURTON ENERGY SERVICES, INC. 2,927,746
HALLIBURTON ENERGY SERVICES, INC. 2,929,374
HALLIBURTON ENERGY SERVICES, INC. 2,931,101
HALLIBURTON ENERGY SERVICES, INC. 2,943,595
HALLMARK CARDS, INCORPORATED 2,859,905
HAMACHER, KLAUS 2,747,475
HAMIDA, TAREK 2,869,600
HAMMERSLEY, DONOVAN 2,985,012
HAN, JIN-KYU 2,808,063
HAN, KI-HOON 2,883,036
HAN, WOO-JIN 2,891,774
HANDA, HIROSHI 2,774,871
HANSON, JOSEPH 2,886,145
HANSSON, NILS PETER 2,783,452
HARASEK, MICHAEL 2,795,293
HARDESTY, JOHN T. 2,968,220
HARIMA CHEMICALS, INC. 2,992,541
HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH 2,734,366
HARPER, JOHN R. 2,766,390
HARRISON, SCOTT T. 2,789,475
HARTER, KENDALL D. 2,922,173
HARVEY, KEITH D. 2,898,852
HASEL, KARL L. 2,923,326
HASHIMOTO, TADASHI 2,841,724
HATFIELD, DAVID M. 2,742,119
HATZINAKOS, DIMITRIOS 2,835,460
HAUGEN, AUSTIN DANIEL 2,892,317
HAWES, JOHN M. 2,928,854
HAY, THOMAS E. 2,714,856
HAYOZ, DANIEL 2,802,268
HE, GAORONG 2,812,225
HE, HONG 2,866,352
HEAT AND CONTROL, INC. 2,776,157

HEATH, ALEX 2,784,976
HEDOUIN, CATHERINE 2,489,772
HEGURI, SHIN-ICHI 2,974,483
HEIDECKE, KARSTEN 2,893,887
HEIDLEBAUGH, DIANE L. 2,883,719
HEIDMANN, KURT R. 2,881,694
HEINEMAN, FRED W. 2,758,868
HENDRICKS, ANNE SWIFT 2,740,972
HENRY, CHRISTOPHER P. 2,943,125
HENSTOCK, WILLIAM 2,758,818
HERNANDEZ, VINCENT S. 2,810,021
HERNANZ ARBELOA, ANGEL MARIA 2,798,908
HEROLD, JOCHEN 2,907,464
HERR, ANNA Y. 2,874,551
HERTFELDER, NIKOLAI 2,803,716
HEXAGON TECHNOLOGY AS 2,804,876
HEXAGON TECHNOLOGY CENTER GMBH 2,898,852
HFI INNOVATION INC. 2,794,378
HIBBS, ANDREW DENNIS 2,824,762
HIBNER, JOHN A. 2,798,709
HIERHAMMER, WILHELM 2,790,942
HIGHLANDS OVERRIDE, INC. 2,701,596
HILBERT, ALLAN THOMAS 2,826,106
HILL, RODNEY E. 2,853,228
HILTI AKTIENGESELLSCHAFT 2,830,313
HILTI AKTIENGESELLSCHAFT 2,918,899
HIPKISS, DAVID 2,729,644
HIRES, GREGORY R. 2,949,825
HITACHI-GE NUCLEAR ENERGY, LTD. 2,887,741
HOFBERGER, JERRY F. 2,824,899
HOFFMANN, JOHN E. 2,802,331
HOFFMANN, TORSTEN 2,822,161
HOFMANN, PHILIPP 2,801,793
HOFTE, PAULUS ANTONIUS AUGUSTINUS 2,931,655
HOLDREDGE, RUSSELL T. 2,881,694
HOLLINGSWORTH, JIM 2,893,887
HOLLOWAY, MARK 2,895,322
HOLTSCLAW, JEREMY 2,917,403
HOLZAPFEL, MICHAEL 2,855,708
HONEYWELL INTERNATIONAL INC. 2,800,573
HONEYWELL INTERNATIONAL INC. 2,848,554
HONIGBERG, LEE 2,874,756
HONISCH, CHRISTIANE 2,742,272
HONMA, MASATO 2,815,825
HOORMANN, DIRK 2,801,793
HORST, MARTIN 2,802,268
HOTRA, JONATHAN NICHOLAS 2,780,567
HOTTA, KENTARO 2,774,871
HOTTOVY, JOHN D. 2,799,228
HOULIHAN, MICHAEL T. 2,701,596
HOWARD, STEPHEN J. 2,820,940
HOWELL, MATTHEW TODD 2,900,550
HOWELL, MATTHEW TODD 2,900,552
HOWELL, MATTHEW TODD 2,900,554
HSU, CHRISTOPHER 2,918,856
HUANG, CHUN-YAO 2,935,782
HUANG, YU-WEN 2,794,378
HUAWEI TECHNOLOGIES CO., LTD. 2,924,935
HUBER, HOWARD, JR. 2,959,725
HULL, ERIC J. 2,787,626
HULL, JOANNE 2,798,709
HULL, RAYMOND J., JR. 2,738,347
HULSE, RYAN 2,800,573
HUNKELER, JOHN 2,675,772
HUNTINGTON, ELYSHA 2,783,361
HUNTLEY, WILLIAM J. 2,862,604
HUNTZINGER, SCOTT L. 2,923,443
HUSKY OIL OPERATIONS LIMITED 2,875,848
HUSQVARNA AB 2,895,322
HUSSMANN CORPORATION 2,927,333
HUTCHINS, ROBERT A. 2,780,235
HUTCHISON, RICHARD MARTIN 2,918,856
HUTCHISON, RICHARD MARTIN 2,952,393
HWANG, JULIA J. 2,798,709
IBM CANADA LIMITED - IBM CANADA LIMITEE 2,738,289
IBM CANADA LIMITED - IBM CANADA LIMITEE 2,746,136
IDA, ATSUSHI 2,936,321
IDE, KOTARO 2,964,781
IKEDA, KAZUYUKI 2,811,140
IKEDA, OSAMU 2,974,483
IKEGAWA, TOMOHIKO 2,887,741
ILLINOIS TOOL WORKS INC. 2,826,106
ILLINOIS TOOL WORKS INC. 2,894,154
ILLINOIS TOOL WORKS INC. 2,918,856
ILLINOIS TOOL WORKS INC. 2,918,861
ILLINOIS TOOL WORKS INC. 2,952,393
IMAOKA, YOSHIHIRO 2,982,886
IMMUNOGEN, INC. 2,893,252
IMPERIO, DANIELA 2,927,706
INCHINGOLO, FRANK 2,558,242
INDUSTRIAL NEO TEX, S.A. 2,798,908
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE 2,776,538
INOUE, TAKAO 2,982,886
INTEL CORPORATION 2,866,352
INTELLO TECHNOLOGIES INC. 2,781,178
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,601,327
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,717,612
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,723,930
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,732,434
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,757,433
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,780,231
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,780,235
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,783,452
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,785,625
INTERNATIONAL BUSINESS MACHINES CORPORATION 2,808,239
INVENTIO AG 2,757,405
INVISIBLE SENTINEL, INC. 2,769,747
IONESCU, PAUL 2,738,289
IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC. 2,801,021
IPR LICENSING, INC. 2,802,331
IRWIN, KENNETH EARL, JR. 2,862,604
ISHII, YUSUKE 2,943,438
ISHTIAQ, FAISAL 2,923,807
ISOLATION EQUIPMENT SERVICES INC. 2,921,588
ITO, HIROMITSU 2,803,558
ITOH, TAKUMI 2,774,871
ITOH, TERUAKI 2,924,896
ITOIZ AVINZANO, REYES 2,790,295
ITRON GLOBAL SARL 2,851,564
ITRON GLOBAL SARL 2,855,285
ITT MANUFACTURING ENTERPRISES LLC 2,806,039
IVD GLOBAL CORPORATION 2,782,881
JACOBER, MARK A. 2,956,783
JADCZAK, EDOUARD JOSEPH 2,811,286
JAEGER, THOMAS ROGER 2,918,861
JAEGGI, FABIAN 2,805,109
JAHN-HOFMANN, KERSTIN 2,822,161
JALALI MAZLOUMAN, SHAHRZAD 2,724,370
JAMES, ADRIAN BENTON 2,931,655
JAMISON, DALE E. 2,892,940
JANGABA, FAHNMUSA CHRISTIAN 2,757,433
JANSSEN, PETRUS HENDRICUS 2,700,164
JASPERS, JORIS EMANUEL NICOLAAS 2,776,937
JEA, TSAI-YANG 2,717,612
JEHANNET, JEAN-PIERRE 2,820,783
JELITTO, JENS 2,780,235
JENDRISAK, JEROME 2,750,054
JENKINS, STEPHEN DEREK 2,789,529
JEONG, WON-KI 2,703,955
JI, AETTIE 2,873,374
JI, QI 2,931,147
JIANG, JIAREN 2,688,108
JIANG, ZHONGYA 2,848,554
JIMENEZ, LUCITA ARENAS 2,791,702
JIN, DAN 2,864,463
JIN, SHENGJIN 2,893,252

JOHNSON & JOHNSON CONSUMER COMPANIES, INC. 2,737,690
JOHNSON & JOHNSON CONSUMER COMPANIES, INC. 2,738,347
JOHNSON & JOHNSON VISION CARE, INC. 2,783,361
JOHNSON & JOHNSON VISION CARE, INC. 2,900,480
JOHNSON MATTHEY PLC. 2,855,708
JOHNSON, BRIAN 2,812,784
JOHNSON, TROY DEAN 2,912,752
JONES, COLIN IAN 2,789,896
JONES, GRAEME S. 2,950,815
JONES, JAMES ROBERT 2,926,919
JORGENSEN, ANDERS PATRICK 2,840,294
JOSEF, CLEMENS 2,798,909
JOURDAN, GUY-VINCENT 2,738,289
JT INTERNATIONAL S.A. 2,896,323
JUNG, SUNG-KWON 2,700,507
KAAK, JOHAN HENDRIK BERNARD 2,807,308
KAMAT, RAJEEV 2,868,264
KAMMER, OLAF 2,847,308
KAMRUZZAMAN, MOHAMMAD 2,893,408
KAPSCH TRAFFICCOM CANADA INC. 2,801,955
KARCHER, JEFFREY D. 2,821,573
KARILA, KAI 2,948,984
KARSTEN, GARY L. 2,881,694
KATAYAMA, TSUTAKI 2,892,496
KATSUNO, KENJI 2,939,797
KATZMAN, SCOTT S. 2,852,759
KAUTZ, SUSAN 2,598,711
KAWAMURA, HIROMICHI 2,986,558
KAWAMURA, TETSUYA 2,831,749
KAYE, WILLIAM J. 2,653,623
KBIDC INVESTMENTS, LLC 2,922,173
KCI LICENSING, INC. 2,789,685
KEARSEY, STEPHEN 2,931,576
KEDRION S.P.A. 2,785,825
KELLIHER, ADAM 2,873,141
KELLNER, ROLAND 2,742,737
KELLY, WILLIAM JOHN 2,700,164
KENNEDY, FRAZER JOHN 2,789,529
KERAT, UWE 2,795,395
KERPEZ, KENNETH 2,867,845
KERSEY, ALAN D. 2,846,356
KERTESZ, VILMOS 2,754,363
KETELSON, HOWARD ALLEN 2,780,304
KETT, NATHAN 2,789,475
KHACHATURIAN, JON E. 2,811,927
KHAN, TAREQ HASAN 2,773,795
KHOSHDEL, EZAT 2,795,899
KIETTA 2,801,294
KIISKILA, JUSSI 2,948,984
KIM, EUN JUNG 2,893,733
KIM, INCHAN 2,893,733
KIM, JINHYEONG 2,893,733
KIM, JINPIL 2,873,374
KIM, JONGMIN 2,893,733
KIM, JUNG-HOE 2,923,285
KIM, KYUNGHO 2,873,374
KIM, SUNG TAE 2,808,063
KIM, YOUN SUN 2,808,063
KING, ANDREW N. 2,910,571
KIRCHMAYR, ROLAND 2,795,293
KITAS, ERIC A. 2,822,161
KLASSEN, JAMES B. 2,633,067
KLEGIN, JILL MARIE 2,859,905
KLESCHINSKI, MICHAEL 2,804,876
KLUCIK, JOSEF 2,783,621
KNIBLOE, CHRISTINE RENEE 2,757,433
KNOWLTON, BARBARA 2,859,648
KOBAL, GERD 2,794,638
KOBLISH, JOSEF 2,699,675
KOBRA FORMEN GMBH 2,923,877
KOBRA FORMEN GMBH 2,923,914
KOEHLER, ERIC 2,858,577
KOEKEMOER, ANDRE 2,844,758
KOEKEMOER, ANDRE 2,844,836
KOHLES, DIETER 2,749,608
KOHLI, JAPJEEV 2,801,955
KOIZUMI, MASAFUMI 2,964,781
KOKONASKI, WILLIAM 2,675,772
KONDO, TAKASHI 2,936,321
KONDUC, KAMERON WAYNE 2,860,060
KONG, ZHANHAO 2,700,164
KOPKALLI, HALUK 2,800,573
KOREA GAS SAFETY CORPORATION 2,893,733
KORNETT, GLENN 2,928,854
KORTE, DETLEF 2,902,998
KORTELAINEN, VILLE 2,948,984
KOSINSKI, DAVID 2,927,975
KRASNOR, CARL E. 2,950,815
KRINGS, WILHELM 2,790,942
KRINTZLINE, DONALD E. 2,714,856
KRISHNAN, BHARATH K. 2,863,722
KROLL, LYNN F. 2,920,979
KUBO, HIDEKI 2,936,321
KUDO, YOHEI 2,974,483
KULKARNI, SANDEEP D. 2,892,940
KUMAR, SANATH V. 2,798,332
KUNZ, MANUELA 2,780,826
KURIHARA, TAKUYA 2,925,200
KYOWA MEDEX CO., LTD. 2,811,140
KYUNGDONG NAVIEN CO., LTD. 2,893,733
L. MOLTENI & C. DEI FRATELLI ALITTI SOCIETA DI ESERCIZIO S.P.A. 2,800,094
LA FEVER, GEORGE B. 2,749,799
LABINAL POWER SYSTEMS 2,797,287
LABRECQUE, PIERRE 2,789,896
LABUSCHAGNE, ALBERTUS A. 2,844,758
LAFOND, JOHN J. 2,920,979
LAFORTUNE, JAMES 2,928,743
LAI, ZHICHANG 2,924,935
LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC 2,729,924
LAMOLY, DAVID 2,804,323
LAMONTAGNE, RICK M. 2,927,333
LANDMARK GRAPHICS CORPORATION 2,874,977
LANGFORD, KYLE W. 2,790,672
LANKER, MARKUS 2,798,111
LANTZ, MARK A. 2,780,235
LATTUADA, LUCIANO 2,927,706
LAU, KUI YAN 2,601,327
LAUMANN, ANDREAS 2,855,708
LAUMANN, JACQUELINE A. 2,790,476
LAZZAROTTI, ALESSANDRA 2,785,825
LE, TAM 2,867,466
LEAHY, SINEAD CHRISTINE 2,700,164
LEAN, JOHN 2,784,292
LEE, BALIN 2,985,012
LEE, DAENYEONG 2,893,733
LEE, DEOKGWON 2,893,733
LEE, JINWON 2,873,374
LEE, JUNG UN 2,893,733
LEE, SUN-IL 2,891,774
LEE, SZU-HSIEN 2,935,782
LEE, YUNG-KI 2,883,036
LEE, YUNG-LYUL 2,883,036
LEGG, LINDSEY 2,942,727
LEHMANN, MARIO 2,811,327
LEI, SHAW-MIN 2,794,378
LEMAN, MARK 2,775,382
LEMAN, RICHARD 2,775,382
LEMMEY, PAUL ANTHONY 2,901,891
LENNOX INDUSTRIES INC. 2,716,404
LENSCHOW, GERHARD 2,856,899
LEONARD, JOSEPH L. 2,804,660
LEONARD, LOIS 2,804,660
LEOW HWEE TENG, VIVIAN 2,939,347
LEPAYSAN, CHRISTOPHE 2,777,036
LEWIS, DAVID L. 2,822,161
LEWIS, LARRY NEIL 2,819,834
LG ELECTRONICS INC. 2,873,374
LI, DONG 2,700,164
LI, JIANDONG 2,919,468
LI, QINGLIN 2,794,384
LI, XIANFENG 2,810,021
LI, XIAOXIAO 2,913,187
LI, YUJUN 2,913,187
LIANG, CHEN 2,864,463
LIANG, FUBO 2,864,463
LIANG, LI-SHIANG 2,939,347
LIANG, YANGANG 2,819,834
LIEBSCHER, BENJAMIN 2,848,145
LIFECELL CORPORATION 2,766,390
LIGHTLAB IMAGING, INC. 2,837,577
LIN, CHIN-WEI 2,935,782
LIN, JIAN-LIANG 2,794,378
LINDGREN, FREDRIK 2,747,475
LIPPS, BENJAMIN JOSEPH 2,747,606
LIU, SHENGXIA 2,819,834
LIU, TAO 2,924,935
LIVANEC, PHILIP W. 2,898,135
LOOIJEN, PETER 2,872,057
LOPER, MARIA 2,878,961
LOPEZ INSAUSTI, RAFAEL 2,790,295
LOPEZ, REMY 2,804,323
LOPEZ-TONAZZI, JUAN CARLOS 2,835,650

LOURY, DAVID 2,874,756
LOW & BONAR B.V. 2,783,914
LU, QIN 2,874,977
LU, SU 2,819,834
LUNACITRIC, S.A. 2,790,295
LUTNICK, HOWARD W. 2,544,188
LY, TAI WEI 2,758,968
M-I DRILLING FLUIDS UK LTD. 2,910,273
MACKENZIE, STEPHEN 2,860,833
MAESTAS, DAVID E. 2,850,981
MAGNUSSON, STAFFAN 2,783,201
MAHADEVAN, SHIVKUMAR 2,900,480
MAHANFAR, ALIREZA 2,724,370
MAIER, CHRISTIAN 2,795,293
MAINAUD, BASTIEN 2,851,564
MAININI, CHRISTOPHER E. 2,789,792
MAKOWIECKI, GARY 2,943,595
MANIN, MICHEL 2,801,294
MARETTO, STEFANO 2,796,026
MARIA SOELL HIGH TECHNOLOGY FILMS GMBH 2,857,068
MARONEY, DAVID RICHARD 2,897,008
MARQUET, CHANTAL 2,802,391
MARSCHKE, BRYAN DUSTIN 2,918,861
MARSH, HENRY C. 2,811,291
MARTIN, CHRISTINE JANET 2,788,761
MARTIN, DAVID P. 2,917,577
MARTIN, PETER 2,914,384
MARTY, GARRY R. 2,812,784
MASTERCARD INTERNATIONAL INCORPORATED 2,905,298
MASTERS, STEPHEN D. 2,943,763
MATHEW, ABY J. 2,760,175
MATSUZAKI, TAKAHISA 2,887,741
MATTHEWS, DAVID JOHN 2,739,050
MATTHEWS, KENNETH HEIDT 2,926,919
MAUK, RICHARD A. 2,716,404
MAURER, ERIC 2,700,507
MAURISSENS, DANIEL AUGUST JULIEN LOUIS 2,844,836
MAXAR TECHNOLOGIES LTD. 2,917,649
MAYER, JORG 2,811,327
MCBRIDE, JOHN 2,729,924
MCDONELL, BRIAN WILLIAM 2,823,821
MCGUIRE, KRISTOPHER 2,929,374
MCKENZIE, ANDREW NEIL JAMES 2,739,050
MCKINNEY, DIANA 2,794,638
MCPHAIL, PAUL H. 2,921,564
MCW ENERGY GROUP 2,754,355
MEADOWS, DAVID L. 2,780,304
MEDICAL RESEARCH COUNCIL 2,739,050
MEDINOL LTD. 2,900,673
MEEKS, ALAN MICHAEL GEORGE 2,796,476
MEGADYNE MEDICAL PRODUCTS, INC. 2,753,431
MEHLAN, ANDREAS 2,858,867
MEHN, PETER DONALD 2,826,106
MELAMED, JEFFREY 2,789,475
MELMAN, HAIM ZVI 2,975,699
MENNIG, JULIUS 2,879,582
MENON, CARLO 2,724,370
MENUEY, JUSTINE 2,769,198
MERBACH, DAVID LYNN 2,808,239
MERCK PATENT GMBH 2,742,737
MERCK SHARP & DOHME CORP. 2,789,475
MERCS, LAURA 2,897,314
MERLIN, SIMONE 2,849,479
MERSKI, JEROME A. 2,794,384
MESHULAM, DEBORAH H. 2,893,252
MEYER, AXEL 2,670,368
MEYER, SUSAN MARIE 2,905,298
MEYERS, TROY L. 2,938,118
MEZLER, MARIO 2,670,368
MICROMASS UK LIMITED 2,696,513
MICROSOFT TECHNOLOGY LICENSING, LLC 2,787,626
MICROSOFT TECHNOLOGY LICENSING, LLC 2,814,963
MIETTE, EMMANUEL 2,963,355
MILLER, DONALD 2,874,551
MILLER, MATTHEW L. 2,925,470
MILLER, NANCY S. 2,939,645
MILLER, THOMAS JOHN 2,776,157
MIN, JUNG-HYE 2,891,774
MIRANTE, JAMES V. 2,917,457
MISER, DONALD E. 2,794,384
MITSUTSUJI, YUKI 2,815,825
MIZON, JOHN 2,757,405
MLETZKO, STEPHAN 2,795,801
MOADDEL, TEANOOSH 2,795,899
MOCHIDA PHARMACEUTICAL CO., LTD. 2,803,558
MOCHIZUKI, SHOTARO 2,731,336
MODBAR, LLC. 2,907,505
MODINE MANUFACTURING COMPANY 2,753,948
MOELLER, ACHIM 2,670,368
MOELLER, LARRY 2,894,154
MOHAMED METWALLY, MOHAMED ABDEL RAOUF 2,801,021
MOHR, PETER 2,822,161
MOHSENI, MEHDI 2,867,845
MOLLERE, REBECCA J. 2,798,709
MONCH, MONIKA 2,918,899
MONIER, FABRICE 2,851,564
MONSANTO TECHNOLOGY LLC 2,851,035
MONTANER VILLALONGA, JOAN 2,806,816
MONTY, NATHAN P. 2,825,182
MOON, CHRISTINA DIANE 2,700,164
MOON, KYOUNGSOO 2,873,374
MOORBY, JAMIE SINCLAIR 2,901,891
MOREAU, MAURICE 2,809,073
MORELLI, ANDREA 2,785,825
MOREY, JOHN D. 2,755,839
MORGAN, JEROME R. 2,798,709
MORIN, BRUCE L. 2,902,998
MORITA, HIROYUKI 2,841,724
MORITA, KAZUKI 2,811,140
MORRIS, NIGEL JUSTIN 2,807,308
MORRISON, ANGUS 2,873,141
MOSES, ARIKHA 2,917,577
MOSS, SIMON BYFORD 2,918,472
MOSS, STEVEN JAMES 2,788,761
MOUNTFORD, PHILIP 2,784,976
MOVABLE, INK. 2,854,348
MTU AERO ENGINES AG 2,902,998
MUELLER, BERNHARD K. 2,670,368
MUELLER, HANS MARTIN 2,822,161
MUELLER, REINHOLD 2,670,368
MUHL, WOLFGANG 2,928,673
MULLER, DIETMAR 2,804,876
MULLER, ELSA 2,787,611
MULLNER, JAMES MATTHEW 2,747,606
MURPHREE, ZACHARY R. 2,927,400
MURPHY, MARK 2,737,690
MUSE, DAVID R. 2,749,799
MYOPOWERS MEDICAL TECHNOLOGIES FRANCE SAS 2,802,268
NAAMAN, OFER 2,874,551
NABAVI, SHAHRAM 2,933,912
NAEYAERT, KAREL 2,914,106
NAGAI, RYOZO 2,841,724
NAIR REMA, RAKESH VIKRAMAN 2,873,141
NAKAYAMA, ATSUKO 2,841,724
NALIN, SEBASTIEN G. 2,923,443
NAPOLITANO, ROBERTA 2,927,706
NARDINI, CLAUDIA 2,785,825
NATIONAL MACHINERY LLC 2,714,856
NATIONAL OILWELL VARCO, L.P. 2,860,060
NATIONAL RESEARCH COUNCIL OF CANADA 2,688,108
NATIONAL RESEARCH COUNCIL OF CANADA 2,801,617
NAVEAU, PAUL 2,868,147
NEISS, PHILIPP 2,864,745
NELSON, GEORGE RODNEY, JR. 2,802,331
NELSON, JOSEPH D. 2,938,118
NETSTAL-MASCHINEN AG 2,798,111
NEULIEB, ROBERT 2,959,725
NEUROVIVE PHARMACEUTICAL AB 2,788,761
NEW YORK AIR BRAKE LLC 2,959,725
NEXT GENERATION SCAFFOLD SERVICES, INC. 2,737,715
NG, BERNATH 2,601,327
NGUYEN, VIET-HUNG 2,851,564
NGUYEN, VIET-HUNG 2,855,285
NHK SPRING CO., LTD. 2,939,797
NHK SPRING PRODUCTION COMPANY 2,939,797
NI, SAISAI 2,864,463
NIBCO INC. 2,928,743
NICOUD, IAN B. 2,760,175
NIE, FANGJIE 2,930,258

NIE, FANGJIE 2,938,777
NIEN MADE ENTERPRISE CO., LTD. 2,941,952
NIPPON VALQUA INDUSTRIES, LTD. 2,831,749
NISSAN MOTOR CO., LTD. 2,982,886
NISSAN MOTOR CO., LTD. 2,986,558
NITE IZE, INC. 2,907,935
NOGUEIRA ALVES, CLARA 2,794,194
NOHARA, TIMOTHY J. 2,950,815
NORDMECCANICA S.P.A. 2,907,669
NORTHROP GRUMMAN SYSTEMS CORPORATION 2,874,551
NORVILLE, RICHARD SCOTT 2,844,484
NOTZ, MARKUS 2,798,111
NOVATEL INC. 2,861,253
NOVIELLO, JOSEPH 2,544,188
NUKALA, CHANDRASEKHAR 2,814,963
NUTT, MICHAEL 2,854,348
NYMI INC. 2,835,460
OBERHOFFER, HELMUT 2,848,145
OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR" 2,917,342
ODDIE, MAX EDWARD 2,789,896
OELMANN, STEFAN 2,801,793
OETIKER SCHWEIZ AG 2,942,456
OH, EUN MI 2,923,285
OH, SEJIN 2,873,374
OHARA, HIDEKI 2,974,483
OKABE, HIROKI 2,925,200
OKABE, HIROKI 2,936,321
OLDSEN, DEREK 2,928,743
OLEY, LESLIE 2,699,675
OLIVA, LILIANA 2,796,026
ONCOLYTICS BIOTECH INC. 2,680,661
ONUT, IOSIF VIOREL 2,738,289
OPPERMANN, ASTRID 2,807,621
OPTI MEDICAL SYSTEMS, INC. 2,892,053
OPTINOSE AS 2,642,608
OPTOMACHINES 2,793,029
ORMSBEE, BOWDEN 2,907,935
OROSKAR, ANIL 2,873,141
ORTHOFIX S.R.L. 2,849,634
OSHKOSH CORPORATION 2,938,118
OSTERWALDER, NEIL 2,892,130
OTT, GUENTHER 2,822,161
OTT, HARALD 2,757,457
OTTS, DANIEL B. 2,900,480
OUELLETTE, JAMES-ROY 2,734,844
OULD DELLAHY, ISSELMOU 2,923,807
OWEN, CHRISTOPHER J. 2,789,971
OY, LARS 2,885,260
OZAKI, YOSHITOMO 2,974,483
PADBIDRI, SUMANT 2,808,239
PADILLA, JAMES A. 2,776,157
PAETZOLD, MATTHIAS 2,786,823
PAGANO, KEVIN 2,918,856
PAGANO, KEVIN 2,918,861
PAHL, BIRGER 2,755,184
PAIRME PRODUCTS, LLC 2,942,727
PALLA, VENKATA GOPALA RAO 2,883,024
PALM, LARS 2,747,475
PAN, CHAO-CHI 2,776,538
PANKRATZ, VIRGINIA 2,931,655
PANSKY, AMIR 2,900,673
PAQUES I.P. B.V. 2,760,909
PARADIS, FRANCOIS 2,793,029
PARADY, THOMAS 2,787,611
PARENT, GHISLAIN 2,936,931
PARIKH, DIPESH 2,729,644
PARK, BYUNGSUN 2,873,374
PASCHKE, BRIAN DENNIS 2,808,642
PASQUERO, JEROME 2,794,063
PASTORAL GREENHOUSE GAS RESEARCH LTD 2,700,164
PATTON, PAUL 2,812,784
PEARSON, JARROD HENRY 2,968,220
PEDERSEN, NICHOLAS 2,859,905
PEDRAZA DIAZ, FERNANDO 2,769,198
PELLETIER, MICHEL 2,843,540
PENG, WENQING 2,819,834
PENNERS, FRANZ 2,879,582
PEPARLET CO., LTD. 2,731,336
PERRY, JOSEPH E. 2,700,507
PERRY, ROBERT JAMES 2,819,834
PERSSON, ROBERT E. 2,753,948
PETITET, GILLES 2,802,391
PETROFF, CHRISTOPHER 2,837,577
PETROVIC, ZMAJ 2,804,323
PETRUCCI, ARIANNA 2,785,825
PHAM, HANG T. 2,800,573
PHARMACYCLICS LLC 2,874,756
PHELPS, DAVID 2,928,743
PHILIP MORRIS PRODUCTS S.A. 2,794,384
PHILIP MORRIS PRODUCTS S.A. 2,794,638
PHILIP MORRIS PRODUCTS S.A. 2,864,745
PHILIPS LIGHTING HOLDING B.V. 2,776,733
PHILIPS LIGHTING HOLDING B.V. 2,797,754
PICKERING, GRAHAM 2,744,786
PIEL, KEVIN G. 2,848,554
PIERCE, CLAUDIA C. 2,740,635
PIERSON, PAUL R. 2,806,845
PINDIPROLU, SAIRAM KS 2,883,024
PLATTNER, JACOB J. 2,810,021
PLAYFORD, MARK ALEXANDER 2,806,039
PODLIPSKIY, VLADIMIR Y. 2,754,355
PODOLSKI, JAMES 2,793,469
POLUR, PRASAD 2,794,638
POMMEREAU, CHRISTIAN 2,798,909
POREE, THIERRY 2,982,987
PORTAL MEDICAL LTD. 2,791,054
POSNER, STEFAN 2,734,366
POTTER, GARRETT THOMAS 2,758,968
POUDEROUX, BERTRAND 2,982,987
POWER, JOHN W. 2,864,479
POWERDISK DEVELOPMENT LTD. 2,633,067
PRAKASH, INDRA 2,783,621
PREMJI, AL-NASIR 2,950,815
PRIBIL, LEOPOLD 2,790,942
PRIMEX MANUFACTURING LTD. 2,985,012
PRINCE, STEPHEN M. 2,892,758
PROCTOR, JAMES A., JR. 2,802,331
PROCYRION, INC. 2,838,073
PROTECSOM AMERIQUE DU NORD INC. 2,982,987
PROTHENA BIOSCIENCES LIMITED 2,710,984
PSION INC. 2,759,492
PUGH, RANDALL B. 2,900,480
PUNCHTIME INC. 2,868,660
PURE HOLD LIMITED 2,796,476
QIAN, WEIJIANG 2,864,463
QIU, DAN 2,919,468
QOSMOS TECH. 2,803,491
QSC, LLC 2,897,314
QUALCOMM INCORPORATED 2,766,369
QUALCOMM INCORPORATED 2,849,479
QUALCOMM INCORPORATED 2,910,964
QUEEN'S UNIVERSITY AT KINGSTON 2,780,826
QUIGLEY, SCOTT 2,928,854
QUILTER, PATRICK H. 2,897,314
RAASCH, MICHAEL 2,841,052
RADIO SYSTEMS CORPORATION 2,789,792
RAFFAELI, WILLIAM 2,800,094
RAIT, ZACHARY ETHAN CARPEN 2,892,317
RAJGARHIA, VINEET 2,729,924
RALEIGH, EDWARD A. 2,882,578
RALPH, ANDREW 2,910,273
RAMAKRISHNAN, VISHWAMITRA S. 2,863,722
RANIR, LLC 2,933,912
RAPISCAN LABORATORIES, INC. 2,653,623
RATHA, NALINI KANTA 2,717,612
RAUCH, DAVID W. 2,584,663
RAVI, KRISHNA M. 2,929,374
RECKITT BENCKISER CALGON B.V. 2,796,026
REDDY, B. RAGHAVA 2,924,636
REESER, RYAN J. 2,835,650
REGENERON PHARMACEUTICALS, INC. 2,598,711
REGENTS OF THE UNIVERSITY OF MINNESOTA 2,757,457
REINER, GREGOR 2,803,099
REMBALA, RICHARD 2,917,649
REMIREZ-CORONAS, LUIS 2,641,355
RENTRAK CORPORATION 2,878,961
RETRACTABLE TECHNOLOGIES, INC. 2,809,510
RHEE, WONJONG 2,867,845

RHODIA OPERATIONS 2,489,772
RIALL, JAMES DANIEL 2,900,480
RICE, MICHAEL 2,760,175
RIERA, MONTSERRAT 2,796,026
RIGAMONTI, MARIA ADELE 2,800,094
RIOJA, ROBERTO 2,868,264
RIZK, SAID 2,917,577
ROBERSON, MARK W. 2,929,374
ROBERT BOSCH GMBH 2,826,244
ROBERTS, BRUCE 2,869,600
ROBERTS, MARK F. 2,858,577
ROBERTS, MATTHEW GEOFFREY 2,796,476
ROBERTS, PAUL 2,917,649
ROBERTSON, GRAHAM 2,910,273
ROCK, FERNANDO 2,810,021
ROCKS, SARA (SALLY) 2,966,680
RODDY, CRAIG W. 2,929,374
RODDY, CRAIG WAYNE 2,821,573
RODDY, IVOR 2,828,507
RODRIGUEZ, MANNY 2,897,314
ROEHL, INGO 2,822,161
ROGERS, HENRY E. 2,943,595
ROGOZINSKI, NICOLAS A. 2,943,595
ROLLINS, JAMES A. 2,968,220
RONEY, BRETT GEORGE 2,901,891
RONIMUS, ROBERT STARR 2,700,164
RONKAINEN, ERKKI 2,948,984
ROQUETTE FRERES 2,787,611
ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG 2,803,099
ROSS, ALEX 2,601,327
ROTHROCK, GINGER 2,929,374
ROUPHAEL, ANTOINE J. 2,802,331
ROY, GARY 2,966,680
ROYO, MICHAEL A. 2,928,854
ROZEMA, DAVID B. 2,822,161
RUDAN, JOHN F. 2,780,826
RUECROFT, GRAHAM 2,729,644
RUGGED LINER, INC. 2,927,975
RUSCONI, PAOLO 2,746,105
RUSS, CRAIG OWEN 2,911,452
RUSSELL, AARON GENE 2,922,420
RUSTOMJEE, MAHARUKH TEHMASP 2,828,685
RYDER, DAVID S. 2,790,476
RYDIN, BJORN 2,928,854
S&P INGREDIENT DEVELOPMENT LLC 2,892,130
S.P.E.P. ACQUISITION CORPORATION 2,867,466
SADAN, YARIV 2,892,317
SAINT-GOBAIN GLASS FRANCE 2,879,582
SALDANHA, JOSE W. 2,710,984
SALLADAY, JOHN M. 2,742,119
SAMSUNG ELECTRONICS CO., LTD. 2,808,063
SAMSUNG ELECTRONICS CO., LTD. 2,883,036
SAMSUNG ELECTRONICS CO., LTD. 2,891,774
SAMSUNG ELECTRONICS CO., LTD. 2,923,285
SAMUEL, ROBELLO 2,927,746
SAN MIGUEL, RAFAEL I. 2,783,621
SANBORN, ALEXANDRA J. 2,820,940
SANDBERG, DALE 2,897,314
SANDFORD, HAROLD FREDERICK 2,747,606
SANFORD, KIRK E. 2,885,975
SANG, CARRIE 2,700,164
SANO, KENTARO 2,815,825
SANOFI-AVENTIS DEUTSCHLAND GMBH 2,798,909
SASKATOON MATERIAL HANDLING LTD. 2,912,752
SATO, KENJI 2,925,200
SATTAR, OMER 2,885,975
SAUDI ARAMCO TECHNOLOGIES COMPANY 2,742,119
SAUER, REINER 2,848,145
SAUNDERS, FRAN L. 2,790,476
SAVARI, SHARATH 2,892,940
SAVARI, SHARATH 2,924,636
SAVIAN, SCOTT 2,931,576
SCA HYGIENE PRODUCTS AB 2,882,578
SCHENK, DALE B. 2,710,984
SCHIMKE, TIMOTHY 2,732,434
SCHLAPKOHL, PETER 2,782,881
SCHLECHTE, JAY S. 2,978,004
SCHLENTER, CRAIG CHARLES 2,844,758
SCHLENTER, CRAIG CHARLES 2,844,836
SCHLISNER, DENNIS G. 2,703,424
SCHLUMBERGER CANADA LIMITED 2,785,768
SCHMID SILICON TECHNOLOGY GMBH 2,795,395
SCHMID, CHRISTIAN 2,795,395
SCHMIDT, MARTIN 2,670,368
SCHMIDT, MIKE 2,781,178
SCHMIDT, SAMUEL 2,781,178
SCHMITT, CARSTEN 2,801,793
SCHMITT, JOSEPH 2,837,577
SCHMITT, THOMAS 2,803,716
SCHMOLL, HORST 2,786,823
SCHOEPF, THOMAS J. 2,755,184
SCHOFIELD, LINLEY ROSE 2,700,164
SCHOLZ, MATTHEW T. 2,761,709
SCHUBERT, AXEL 2,794,232
SCHUERMANN, ROLF 2,795,801
SCHUETTENBERG, DONALD W. 2,596,482
SCHULTE, JOHN B. 2,798,709
SCHULTHEISS, NATHAN CARL 2,917,403
SCHULZE, FRIEDRICH 2,807,621
SCHUSTER, RICO 2,734,366
SCHWARZ, FREDERICK M. 2,923,326
SCIENTIFIC GAMES HOLDINGS LIMITED 2,853,228
SCIENTIFIC GAMES HOLDINGS LIMITED 2,862,604
SCOTT, KEVIN MICHAEL 2,918,856
SCOTT, RICHARD T. W. 2,784,976
SEARS, THOMAS M. 2,885,975
SEDA INTERNATIONAL PACKAGING GROUP SPA 2,900,065
SEDMAK, JOSEPH JAMES 2,912,012
SEELOS, ROBERT 2,942,456
SEGAL, ORY 2,738,289
SEILIN & CO. 2,811,178
SEJONG INDUSTRY-ACADEMY COOPERATION FOUNDATION 2,883,036
SEKAB E-TECHNOLOGY AB 2,783,201
SENDELBACH, LEE 2,732,434
SENSIENT FLAVORS INC. 2,912,012
SENVION SE 2,813,046
SERCEL 2,809,073
SEREGIN, VADIM 2,910,964
SEUBERT, PETER A. 2,710,984
SHAPIRO, JOSEPH I. 2,667,251
SHARMA, VIVEK 2,854,348
SHAW, THOMAS J. 2,809,510
SHAWVER, MICHAEL JOSEPH 2,931,655
SHELTON, FREDERICK E., IV 2,798,709
SHERSIN, MICHAEL J. 2,723,930
SHI, LIFANG 2,919,468
SHIMAHARA, HIDEKI 2,830,313
SHIN, SEOCKJAE 2,893,733
SHOLEV, MORDEHAI 2,925,611
SICILIANO, NICHOLAS A. 2,769,747
SIEMENS AKTIENGESELLSCHAFT 2,907,464
SIEMENS SAS 2,794,194
SIGHTLINE INTERACTIVE LLC 2,885,975
SILVERA, RAUL E. 2,746,136
SIMAKOV, DMITRIY ALEKSANDROVICH 2,917,342
SIMARD, BENOIT 2,801,617
SIMON FRASER UNIVERSITY 2,724,370
SIMON, CHRISTIAN 2,798,909
SIMONEAU, CHRIS A. 2,742,119
SJOEBLOM, ANDERS 2,783,201
SKOGMO, MATTHEW 2,897,314
SMALL, MARK 2,809,510
SMITH, BRUCE ALAN 2,783,452
SMITH, KENNETH JAMES 2,911,452
SMITH, PETER 2,775,382
SMITH, RICHARD ALAN 2,848,554
SMITH, RICHARD J.H. 2,811,291
SMITH, WAYNE DUNCAN 2,738,289
SNECMA 2,769,198
SNECMA 2,793,984
SNECMA 2,811,286
SNELLEN, TIMOTHY R. 2,755,839
SNIDER, PHILIP MARTIN 2,968,220
SNYDER, RANDALL A. 2,804,455
SOAR, ROGER J. 2,777,596
SODEYAMA, TAKUJI 2,992,541
SOLYSTIC 2,963,355
SON, SEUNGKIL 2,893,733
SONG, YI 2,900,451
SOO, HWAILI 2,758,818

SOTO, ALYSSA 2,942,727
SOYAMA, HIDEAKI 2,943,438
SPANGER, ANTHONY 2,812,784
SPECTOR, BEN, ZION 2,900,673
SPIEWAK, BRIAN E. 2,761,709
SPILKA, DAVID G. 2,584,663
SPINEWELDING AG 2,811,327
SPRY, DAVID B. 2,845,857
SQUIRES, RACHEL J. 2,978,004
SRI INTERNATIONAL 2,791,702
STACHLER, JOHN P. 2,716,404
STAELENS, PATRICK 2,914,106
STANDIFER, PHILLIP D. 2,943,595
STANEK, EDWARD J. 2,862,604
STANFILL, CRAIG W. 2,558,242
STANIMIROFF, IVAN LAURENCE 2,629,381
STATE GRID CORPORATION OF CHINA 2,864,463
STAUTZENBERGER, ARTHUR 2,889,600
STEELCASE INC. 2,881,694
STEENSGARD, DAVID 2,662,179
STEINER, PETER 2,942,456
STEPHENS, RODNEY 2,893,887
STERIS INC. 2,936,931
STEVENS, JOHN W. 2,742,119
STEVENSON, PAUL 2,791,054
STICHEL, HOLGER 2,923,877
STICHEL, HOLGER 2,923,914
STIMAC, ROBERT M. 2,653,623
STOUT, GEORGE M. 2,978,004
STRAND, ROSS 2,913,187
STROTHMANN, KAI 2,807,621
SUBRAMANIAN, RAMACHANDRAN 2,766,369
SUFFERN, EDWARD STANLEY 2,783,452
SUMITOMO METAL INDUSTRIES, LTD. 2,760,753
SUMITOMO METAL MINING CO., LTD. 2,974,483
SUNCOR ENERGY INC. 2,965,130
SUTHANA, NANTHIA 2,859,648
SUZUKI, EMIKO 2,811,140
SWANSON, DAVID LEE 2,757,433
SWEENEY, WILLIAM R. 2,794,384
SWEETING, MICHAEL 2,544,188
SWIFT, JOHN 2,740,972
SYNACOR, INC. 2,860,833
SZESNI, ANIKA 2,848,145
SZNERSKI, ANDREAS 2,879,582
SZYMANSKI, AARON MICHAEL 2,808,642
TAGHAVI NASRABADI, MOHAMMAD HOSSEIN 2,849,479
TAKAHASHI, KENICHI 2,831,749
TAKAISHI, KAZUYUKI 2,974,483
TAKEYAMA, MAKOTO 2,911,024
TAMMINEN, TERO 2,948,984
TAN, CHIN HIANG 2,939,347
TANAKA, RICHARD 2,783,361
TARUMI YOSHIKO 2,811,178
TAVERNER, DOMINO 2,896,438
TAYLOR, DORIS 2,757,457
TAYLOR, MATTHEW 2,784,292
TECHGUARD SECURITY, LLC 2,850,981
TECHNIP FRANCE 2,775,999
TECHNOLOGICAL RESOURCES PTY. LIMITED 2,789,896
TEHRANI, ARDAVAN MALEKI 2,867,845
TEKE, KUSHABHAU D. 2,892,940
TEMPLE, HERBERT D. 2,917,457
TEPHA, INC. 2,917,577
TESSMER, ALEXANDER W. 2,584,663
TETRA LAVAL HOLDINGS & FINANCE SA 2,747,475
TEUSCH, NICOLE 2,670,368
TEYSSEYRE, RAPHAEL 2,777,036
THACKER, STEVE HOWARD 2,737,715
THE BOEING COMPANY 2,780,567
THE BOEING COMPANY 2,883,719
THE BOEING COMPANY 2,943,125
THE CHILDREN'S HOSPITAL OF PHILADELPHIA 2,716,375
THE COCA-COLA COMPANY 2,783,621
THE LUBRIZOL CORPORATION 2,750,240
THE PROCTER & GAMBLE COMPANY 2,913,187
THE PROCTER & GAMBLE COMPANY 2,931,655
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,859,648
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 2,791,702
THE UNIVERSITY OF IOWA RESEARCH FOUNDATION 2,693,712
THE UNIVERSITY OF TOKYO 2,841,724
THERAVALUES CORPORATION 2,841,724
THIESSEN, JAY JOHN 2,860,060
THOENNES, MATHEW 2,780,231
THOMAS, BENSON 2,893,887
THOMAS, GOMER 2,873,374
THOMPSON, BRADLEY G. 2,680,661
THOMPSON, MARK 2,864,479
THOMPSON, RUSSELL W. 2,893,887
THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY 2,662,179
THYSSENKRUPP RASSELSTEIN GMBH 2,848,145
THYSSENKRUPP UHDE GMBH 2,801,793
TIAN, JIANG 2,667,251
TIME WARNER CABLE ENTERPRISES LLC 2,813,737
TIMMS, ANDREW 2,742,272
TING, PATRICK L. 2,790,476
TIPPETT, JONATHAN G. 2,834,620
TO, CHI SHUNG BRIAN 2,790,401
TOKHTUEV, EUGENE 2,789,971
TOKYO INSTITUTE OF TECHNOLOGY 2,774,871
TOLL, LAWRENCE ROBERT 2,791,702
TOLLET, JEROME 2,803,491
TOMASULO, ANTONIETTA 2,796,026
TONER, ADAM 2,900,480
TONG, JIANFENG 2,927,975
TOOTILL, CATHERINE MARY 2,700,164
TORAY INDUSTRIES, INC. 2,815,825
TOYO SEIKAN GROUP HOLDINGS, LTD. 2,892,496
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,911,024
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,925,200
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,936,321
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,964,781
TOZZI, PIERGIORGIO 2,802,268
TRANS-TEXTIL GMBH 2,790,942
TREANTON, VINCENT 2,776,733
TRUNK, LOTHAR 2,847,308
TSAI, YU-PAO 2,794,378
TSUYUKI, TAKESHI 2,982,886
TUMINARO, WILLIAM 2,808,239
TURNER, DONALD EUGENE 2,780,567
TURNOCK, RICHARD 2,801,955
TYCO FIRE & SECURITY GMBH 2,777,404
TYCO FIRE & SECURITY GMBH 2,780,318
UECKER, JAMES LEE 2,918,856
UEDA, AKIRA 2,831,749
UHLMANN, DONALD R. 2,835,650
UKRAINEC, ANDREW M. 2,950,815
UMC UTRECHT HOLDING B.V. 2,776,937
UNILEVER PLC 2,795,899
UNITED TECHNOLOGIES CORPORATION 2,902,998
UNITED TECHNOLOGIES CORPORATION 2,923,326
UNIVERSITE DE LA ROCHELLE 2,769,198
UNIVERSITY OF IDAHO 2,808,073
UNIVERSITY OF IOWA RESEARCH FOUNDATION 2,811,291
UNIVERSITY OF SASKATCHEWAN 2,773,795
UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION 2,710,984
UNIVERSITY OF TOLEDO 2,667,251
UNIVERSITY OF UTAH RESEARCH FOUNDATION 2,703,955
UNIVERSITY OF WASHINGTON 2,790,672
UPDYKE, PALMER DAVID 2,747,606

UST GLOBAL (SINGAPORE) PTE. LIMITED 2,918,472
UT-BATTELLE, LLC 2,754,363
UZAWA, KOJI 2,811,140
VACHON, FREDERIC 2,803,643
VAIL, NEAL 2,789,685
VALEO SYSTEMES D'ESSUYAGE 2,802,391
VALEO SYSTEMES D'ESSUYAGE 2,820,783
VALLOUREC OIL AND GAS FRANCE 2,760,753
VALSPAR HOLDINGS I, INC. 2,917,457
VAN BERKEL, GARY J. 2,754,363
VAN DEN BOOM, DIRK JOHANNES 2,742,272
VAN DER MERWE, GERT J. 2,928,973
VAN DER MEULEN, TORBJOERN 2,783,201
VAN DER WALT, HERMAN 2,844,758
VAN HATTEM, SANDER 2,864,745
VAN NATTA, BRUCE 2,917,577
VAN WYK, HARTMAN 2,855,285
VANG, DER 2,841,052
VASCONCELLOS, STEPHEN ROBERT 2,819,834
VAUGHAN, RODNEY G. 2,724,370
VELLINGA, SJOERD HUBERTUS JOSEF 2,760,909
VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT 2,803,716
VERBIEST, JAN HENDRIK MARIA 2,931,655
VERET, JOCELYN 2,820,783
VERGER, ERIC 2,760,753
VERIFI LLC 2,858,577
VERJUS, ROMUALD 2,982,987
VERMEULEN, JAN 2,807,308
VERNER, ERIK 2,874,756
VERSABAR, INC. 2,811,927
VESTGAARDEN, TOV INGE 2,815,370
VG INNOVATIONS, LLC 2,815,370
VIDA, GABOR 2,860,833
VIEGA, JOHN 2,846,356
VINSON, MICHAEL 2,878,961
VISA INTERNATIONAL SERVICE ASSOCIATION 2,804,455
VISSCHER, EDZE JAN 2,783,914
VISUAL RETAILING HOLDING B.V. 2,840,294
VOGEL, JENS H. 2,790,401
VON DER WEIDEN, INGO 2,879,582
VOSS, KENNETH E. 2,798,332
VOYER, GUILLAUME 2,936,931
W.M. BARR & COMPANY 2,864,479
WAFFENSCHMIDT, JORG 2,847,308
WAHID, KHAN ARIF 2,773,795
WAINER, IRVING W. 2,791,702
WALDRON, COREY 2,907,505
WALL, JONATHAN 2,710,984
WALTENBERGER, REINHOLD 2,795,293
WALTER, JURGEN 2,845,786
WALTERS, TOM 2,966,680
WALTON, ZACHARY W. 2,927,400
WALTON, ZACHARY WILLIAM 2,900,550
WALTON, ZACHARY WILLIAM 2,900,552
WALTON, ZACHARY WILLIAM 2,900,554
WANG, ENSI 2,931,147
WANG, KAI 2,716,375
WANG, LEI 2,931,147
WANG, SHAODONG 2,688,108
WANG, SIJING 2,812,225
WANG, TSILI 2,785,768
WANG, YE-KUI 2,910,964
WANG, YONG 2,893,252
WANG, ZIQIANG 2,924,935
WARNER, ANNE 2,729,924
WARREN, KEITH 2,966,458
WATSON, WILLIAM TODD 2,894,154
WATT, ALAN 2,965,130
WAVELIGHT GMBH 2,914,384
WEATHERALL, JAMES C. 2,830,413
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,893,887
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,896,438
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,899,813
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,943,763
WEBER, PETER T. 2,950,815
WEBSTER, KEVIN JOSEPH 2,808,239
WEBSTER, OLIVER 2,899,813
WEI, CHENGPING 2,927,975
WEI, XIAOLIANG 2,902,200
WEIDAUER, JENS 2,907,464
WELSCH, DAVID 2,939,645
WENDRICH, GENOVEFA 2,855,708
WENGER, ANDREAS 2,811,327
WENTINK, MAARTEN MENZO 2,849,479
WESSON, DAVID S. 2,968,220
WHARTON, PHILLIP 2,808,073
WHEATLEY, BARRY LYNN 2,823,821
WHITAKER, ROSS 2,703,955
WHITE, BRYAN THOMAS 2,931,655
WHITE, JASON 2,917,649
WIELAND, MARCO 2,802,268
WIENS, JIMMY DUANE 2,893,887
WIESMAN, MARK 2,905,298
WILDGOOSE, JASON LEE 2,696,513
WILKINS, EARL 2,942,727
WILKINSON, BARRIE 2,788,761
WILKINSON, BRADLEY M. 2,911,452
WILKINSON, KELLY O. 2,844,484
WILLIAMS, COREY 2,931,576
WILLIAMS, RONALD CHRISTOPHER 2,801,021
WILLIAMS, SIMON F. 2,917,577
WILLIAMSON, SCOTT 2,927,975
WILLIS, THOMAS 2,742,380
WILSON, STEPHEN 2,666,003
WIND, TOM 2,927,333
WINKLER, MARK 2,830,313
WINSLOW, DANIEL 2,931,101
WIRTGEN GMBH 2,901,891
WISSLING, MATTHIAS 2,830,313
WOBBEN PROPERTIES GMBH 2,856,899
WOBBEN PROPERTIES GMBH 2,893,408
WOLKENBERG, SCOTT 2,789,475
WOLLEN, WILLIAM CODY 2,875,848
WOLTERING, PETER 2,801,793
WONG, ANDREW 2,867,146
WONG, ROY 2,761,709
WOOD, THOMAS E. 2,761,709
WOODSTREAM CORPORATION 2,910,571
WOOLDRIDGE, JAMES LEE 2,783,452
WRIGHT, ROBIN E. 2,761,709
WROBLICKY, MICHAEL D. 2,968,220
WU, HUAN PING 2,700,507
WU, YINGZI 2,892,053
WURTH, SEBASTIAN 2,858,867
XEROS LIMITED 2,789,529
XIE, DA-YOU 2,979,236
XIE, ZIJIAN 2,667,251
XU, HAISHEN 2,930,258
XU, HUA 2,900,451
XUE, LIJUE 2,688,108
YAMAGATA, MOTOO 2,803,558
YAMAMOTO, JON Y. 2,922,173
YAMAOKA, TOSHINARI 2,930,258
YAN, XICHANG 2,927,975
YANG, MICHAEL 2,927,975
YANNIELLO, ROBERT 2,755,184
YAZDANI, AMIR 2,878,961
YELLIN, CARMY 2,749,799
YEO, KENG HOO 2,939,347
YEWDALL, GARY 2,744,786
YOCOM, PETER 2,780,231
YONEYAMA, TOMOAKI 2,974,483
YOOK, STEVEN 2,928,854
YOSHIKAWA, SEISHI 2,892,496
YOSHIMURA, TAKUYA 2,964,781
YOSHINO KOGYOSHO CO., LTD. 2,943,438
YOUNG, MICHAEL JOHN RADLEY 2,849,634
YUAN, SU 2,795,899
YUMUL, ANTHONY 2,783,361
ZAGONE, PETER 2,907,935
ZAJDMAN, RUTH 2,925,611
ZANG, KAI 2,985,012
ZARTMAN, AMY 2,789,475
ZATEZALO, DOUGLAS MARK 2,747,606
ZENKE, FRANK 2,742,737
ZHANG, GUIXI 2,819,834
ZHANG, HAITAO 2,716,375
ZHANG, LIPING 2,758,818
ZHANG, QIQING 2,795,899
ZHANG, SUOMING 2,810,021
ZHANG, XIAOMIN 2,864,463
ZHANG, XINGMIN 2,931,147
ZHANG, XU 2,679,904
ZHANG, YIQUN 2,913,187

ZHANG, YUZHOU 2,811,291
ZHANG, ZIXIAO 2,902,200
ZHAO, THIANFENG 2,848,554
ZHAO, ZHIJIAN 2,789,475
ZHEJIANG NEW WEIPU ADDITIVE CO., LTD. 2,919,468
ZHEJIANG NHU COMPANY LTD. 2,919,468
ZHEJIANG UNIVERSITY 2,919,468
ZHENG, WEI 2,864,463
ZHONG, WEIPING 2,700,507
ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD. 2,679,904
ZHOU, DING 2,810,021
ZHOU, JIACHAO 2,919,468
ZHOU, LI 2,808,239
ZHOU, WEIZHENG 2,795,899
ZHOU, XICHAO 2,864,463
ZHOU, XIN 2,755,184
ZHU, NI 2,809,510
ZHU, PETER CHAOQUAN 2,892,053
ZHU, YAJUN 2,900,451
ZHU, YANRONG 2,812,225
ZIMMERMANN, PATRICK JAMES 2,893,887
ZIMNITSKY, DMITRY 2,789,685
ZINONI, CARL 2,785,625
ZUIDEVELD, MARTIN ALEXANDER 2,784,976

Index of Canadian Applications Open to Public Inspection

May 13, 2018 to May 19, 2018

Index des demandes canadiennes mises à la disponibilité du public

13 mai 2018 au 19 mai 2018

2397593 ONTARIO INC.	2,948,505
692324 NB INC.	2,972,965
ABL IP HOLDING LLC	2,979,467
ABL IP HOLDING LLC	2,985,580
ACCENTURE GLOBAL SERVICES LIMITED	2,983,495
ACCENTURE GLOBAL SOLUTIONS LIMITED	2,965,070
ADDCO ACQUISITION LLC	2,986,170
ADULSERANEE, ROSARIN	2,985,282
AGCO CORPORATION	2,980,180
AHN, JIN SEOP	2,984,938
AIRLITE PLASTICS CO.	2,985,438
ALTMANN, ANDRES CLAUDIO	2,984,950
AMALFITANO, ROBERT	2,985,792
AMANO PIONEER ECLIPSE CORPORATION	2,972,213
AMI INDUSTRIES, INC.	2,979,097
ANDERSEN, JONATHAN	2,985,068
ANGEL PLAYING CARDS CO., LTD.	2,985,946
ANGEL PLAYING CARDS CO., LTD.	2,985,950
APPS, WILLIAM P.	2,985,972
ARCTIC CAT INC.	2,985,512
ARNOLD, JAMES M.	2,985,592
ARTEX BARN SOLUTIONS LTD.	2,985,752
BA, JIMMY	2,948,499
BACHHAL, SUKHBIR SINGH	2,948,277
BARKER, BRETT J.	2,979,008
BARRERA, CLAUDIO J.	2,985,747
BASKOVIC, BERNARD	2,948,505
BEAGEN, JOSEPH	2,980,444
BECTON, DICKINSON AND COMPANY	2,981,018
BEDARD, JACQUES	2,985,266
BELCHER, THOMAS	2,985,961
BELL HELICOPTER TEXTRON INC.	2,982,110
BENJAMIN, JEFF	2,979,097
BERNIER, MORGAN L.	2,985,512
BEST, RACHAEL KEARSE	2,985,960
BETTAIEB, KHALED	2,980,710
BIOSENSE WEBSTER (ISRAEL) LTD.	2,984,950
BIOSENSE WEBSTER (ISRAEL) LTD.	2,984,958
BLACK & DECKER INC.	2,984,857
BLACK & DECKER INC.	2,984,860
BLACK & DECKER INC.	2,984,862
BLUM, UWE	2,985,762
BOARD OF TRUSTEES OF NORTHERN ILLINOIS UNIVERSITY	2,985,282
BOGGS, JEFFREY BION	2,985,792
BORROD, WILFRIED	2,984,283
BOST, DAVID	2,972,213
BOWLES, DALE R.	2,985,580
BOYD, CHRISTOPHER	2,981,725
BREMNER, RYAN	2,985,604
BRIGGS, RICK A.	2,985,748
BROWN, SHAUN WALTER	2,985,983
BRUCKELMYER, DARYL W.	2,985,779
BRUESTLE, JEREMY	2,948,793
BUSCH, WARREN	2,983,538
BUTLER, ROBERT P.	2,985,584
BYRD, JOHN	2,974,954
CAI, RONGXUAN	2,985,607
CARTWRIGHT, TIMOTHY B.	2,985,591
CASTANON, DIEGO	2,949,791
CATERPILLAR INC.	2,985,058
CAVANAUGH, KEVIN	2,985,591
CHANG, CHIH-YAO	2,985,436
CHEN, LIN	2,985,436
CHEN, ZHIQIANG	2,982,065
CHO, IN CHEOL	2,984,938
CHOI, JOUYOUNG JASON	2,982,110
CHRISTMAN, DAVID B.	2,977,149
CHRONOMITE LABORATORIES, INC.	2,979,011
COHEN, BENJAMIN	2,984,958
COOPER TECHNOLOGIES COMPANY	2,985,754
COOPER TECHNOLOGIES COMPANY	2,985,755
COSTA RIEROLA, MONTSERRAT	2,984,732
CRAWFORD, ROY	2,985,964
CRAWLEY, GRAEME	2,984,862
CROSBY, BRADLEY J.	2,985,438
DAFONSECA, ODAIR	2,980,444
DAGAND, CYRIL	2,984,283
DASSAULT AVIATION	2,983,953
DASSAULT AVIATION	2,983,993
DASSAULT AVIATION	2,983,999
DE DREU, ADRIAN JAN	2,972,738
DE JONGE, JOHN	2,985,752
DEROY, MICHAEL	2,972,965
DERUS, NICK	2,985,058
DESJARDINS, MICHEL	2,975,556
DIAZ, OLIVER CRESPO	2,981,018
DOWDING, PETER JOHN	2,985,432
DROUIN, PAUL	2,948,271
DU, LILY	2,985,072
DUBREUIL, JEAN	2,975,556
DUDZIK, HORST	2,984,738
DUROCHER, ERIC	2,975,556
DUROCHER, ERIC S.	2,968,283
EATON CORPORATION	2,985,072
EGELKRAUT, UDO	2,985,762
EHRLICH, RODNEY P.	2,985,921
EIS, ELIN JOHANNA	2,985,432
ELLIOT, NATHAN	2,948,271
EMCS INDUSTRIES LTD.	2,948,991
ENGLERT, TRAVIS JAMES	2,985,972
EPHRATH, YARON	2,984,950
EVANS, DAVID RICHARD	2,985,450
EVONIK DEGUSSA GMBH	2,984,738
EWING, ALAN CARL	2,982,110
FABRIZIO, EDWARD VINCENT	2,979,011
FAULKNER, DAKOTA	2,985,785
FCI HOLDINGS DELAWARE, INC.	2,985,785
FERGUSON, KEITH M.	2,979,097
FERGUSON-PELL, MARTIN W.	2,985,450
FIEDLER, ALAN WAYNE	2,981,018
FINNEGAN, PATRICK L.	2,985,747
FISCHMEISTER, SEBASTIAN	2,985,617
FLEXHEAD INDUSTRIES, INC.	2,980,444
FLORATINE PRODUCTS GROUP, INC.	2,985,591
FLUID HANDLING LLC	2,985,756
FORTIER, RAYMOND	2,949,791
FREY, BRENDAN	2,948,499
FROESE, ANDREAS	2,948,402
FROESE, ANDREAS	2,998,260
FU, ZHENTANG	2,948,396
GARCIA, VICENTE P.	2,985,269
GE AVIATION SYSTEMS LIMITED	2,985,064
GE LIGHTING SOLUTIONS, LLC	2,984,552
GE LIGHTING SOLUTIONS, LLC	2,984,557
GEODYNAMICS, INC.	2,985,242
GEORGET, SEAN	2,951,789
GERMAIN, STEVE	2,984,552
GERMAIN, STEVE	2,984,557
GLENNY, MICHAEL	2,985,064
GOLDWITZ, BRIAN	2,985,782
GOODRICH CORPORATION	2,979,088
GOODRICH CORPORATION	2,979,093
GOTODA, KENJI	2,984,658
GOVARI, ASSAF	2,984,950
GRANCHA GAMON, SALVADOR	2,984,732
GRANIER, ERIC	2,983,993
GRANIER, ERIC	2,983,999
GRANSAULL, ANGELA L.	2,948,511

GREENWOOD'S ARCHITECTURAL HARDWARE INC. 2,948,747
GREENWOOD, SCOTT 2,948,747
GREY, CAVAN 2,984,860
GRIFOLS WORLDWIDE OPERATIONS LIMITED 2,984,732
GRUPO ROMATEX DE MEXICO, S.A. DE C.V. 2,948,315
GU, JAMES J. 2,985,756
GUNTON, BRUCE STANLEY 2,949,303
GUPTA, AMITABHA 2,985,904
HAMM, DERRICK LEE 2,972,213
HAN, SANG HYUN 2,984,938
HANDY, PETER JAMES 2,985,064
HANLEY, MICHAEL G. 2,985,580
HARNISCHFEGER TECHNOLOGIES, INC. 2,985,772
HARRIS ENVIRONMENTAL SYSTEMS, INC. 2,955,449
HARRO HOFLIGER VERPACKUNGSMASCHINEN GMBH 2,985,762
HARTMAN, DREW 2,979,088
HARTMAN, DREW 2,979,093
HAVERMAN, YURI 2,981,018
HINDERLITER, BRANDON N. 2,961,419
HOLCOMB, DAVID EUGENE 2,948,962
HOSHIZAKI AMERICA, INC. 2,985,792
HOTI, MILAIM 2,985,792
HOWE, WILSON 2,948,396
HOWE, WILSON 2,948,437
HOWE, WILSON 2,985,433
HUANG, LIEN-HSI 2,967,697
HUGGINS, KEN 2,985,754
HUGGINS, KEN 2,985,755
IDDON, ANDREW 2,949,122
INFINEUM INTERNATIONAL LIMITED 2,985,432
JEBRAN, NASSIM 2,948,505
JEJU NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION 2,984,938
JI, DINGHUANG 2,985,045
JIAO, DA 2,985,751
JONES, DANIEL 2,974,954
JONES, PAT 2,972,965
KAKKAD, HEMANT MANAHARLAL 2,965,070
KALINOWSKI, DANE GIN MUN 2,985,972
KAMINSKI, KRISTOPHER R. 2,985,583
KATZ, NATAN SHARON 2,984,958
KELLY, STACY 2,985,282
KHUDISH, OLEG 2,984,950
KIRCKOF, AMBER 2,985,607
KIRKPATRICK, CONOR JAMES 2,984,862
KNOTT, WILFRIED 2,984,738
KNOX, DEREK 2,948,991
KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY 2,984,938
KORIA, PANKHURI JAYPRAKASH 2,965,070
KRAUS, OREN 2,948,499
KUNKEL, DAVID P. 2,985,921
KWANTEX RESEARCH INC. 2,979,650
KWASNICKI, TIMOTHY B. 2,985,747
KWON, JUNGHYUN 2,985,045
LACEY, DARRON KIRBY 2,985,072
LALANCETTE, DANIEL 2,984,852
LANGER, YURY 2,955,449
LE BORLOCH, JEROME 2,983,953
LE BORLOCH, JEROME 2,983,993
LE BORLOCH, JEROME 2,983,999
LEE, JEONG WOONG 2,984,938
LEE, WEN-CHIEH 2,967,697
LEWIS, BARRY MICHAEL 2,985,259
LIN, CHAO-WEI 2,979,650
LIU, YU 2,985,751
LOBATO, ISRAEL ROBLES 2,948,315
LOGGAN, AARON 2,980,180
LU, CHIN-TAI 2,985,436
MA, KEVIN JINRONG 2,985,785
MAJOR, FRITZ 2,985,762
MARTIANGE, RYAN E. 2,985,583
MARTINE, ERICA 2,948,510
MARTINE, NATHAN 2,948,510
MATHIEU, YANICK 2,948,497
MATHYS, YVES 2,980,710
MAVERICK DOWNHOLE TECHNOLOGIES INC. 2,948,756
MAYO, CHRISTINA 2,979,467
MAZZULLO, FRANK 2,948,505
MAZZULLO, LOUIE 2,948,505
MCFARLAND, MAX 2,985,045
MCKENNA, SIMON 2,985,961
MELCHER, DWAYNE 2,948,271
MELTON, GLENN O'NEAL 2,985,792
MERCURY MISSION SYSTEMS INTERNATIONAL S.A. 2,980,710
MEVIUS, JASON S. 2,985,754
MEVIUS, JASON S. 2,985,755
MILLER, GARY 2,982,110
MITROVIC, LAZAR 2,975,556
MIZERIT, BRANKO 2,997,766
MIZUTANI, YASUKI 2,985,792
MORENO, CARLOS 2,985,617
MORGAN, KEITH 2,968,283
MORGAN, KEITH 2,975,556
MOSS, MATTHEW D. 2,985,774
MOWRY, MICHAEL R. 2,985,068
MUIR, DEREK 2,984,860
MURALIDHARAN, GOVINDARAJAN 2,948,962
NELSON, KENNETH EDWIN 2,985,580
NEUBAUER, KYLE 2,985,068
NG, KEVIN 2,968,283
NICHOLSON, ADAM 2,986,170
NICHOLSON, BRIAN 2,986,170
NICOSON, RICHARD 2,985,772
NIEN MADE ENTERPRISE CO., LTD. 2,985,436
NIEN, CHAO-HUNG 2,985,436
NIEN, KENG-HAO 2,985,436
NING, ZHI-FENG 2,948,558
NOBLE, ANGUS 2,949,002
NORDCO INC. 2,977,270
NUCTECH COMPANY LIMITED 2,982,065
OEHRING, JARED 2,961,419
OHIO STATE INNOVATION FOUNDATION 2,974,954
OIEN, LYNN 2,982,296
ORTIZ FERNANDEZ, ANA MARIA 2,984,732
OWENS CORNING INTELLECTUAL CAPITAL, LLC 2,985,259
PARHAM, THOMAS CLEMENT, JR. 2,982,110
PARK, HEE BOK 2,984,938
PATTERSON, SCOTT R. 2,979,097
PAYAN, JULIO ENRIQUE 2,977,270
PINNISCH, RUSSEL 2,968,777
PLANTE, GHISLAIN 2,968,283
PLS TECHNOLOGIES, INC. 2,985,584
POINTS.COM INC. 2,981,725
POPP, JAMES R. 2,985,772
POTTER, BRIAN TODD 2,985,058
POULIN, MARTIN 2,978,702
PRATT & WHITNEY CANADA CORP. 2,968,283
PRATT & WHITNEY CANADA CORP. 2,975,556
PRATT & WHITNEY CANADA CORP. 2,975,684
PRATT & WHITNEY CANADA CORP. 2,978,702
PRE-CON PRODUCTS 2,985,586
PRECISION CULTIVATION SYSTEMS HOLDINGS, LLC 2,985,583
PROXIMATE CONCEPTS LLC 2,985,220
PURE VISTA LTD. 2,949,002
QUANDT, GENE A. 2,977,149
RADICALOGIC TECHNOLOGIES, INC. DBA RL SOLUTIONS 2,985,961
RAGER, DAVID 2,985,785
RAUBER, RICHARD ERLER 2,982,110
RECOVER ENERGY SERVICES INC. 2,984,818
REDLINER INC. 2,985,450
REESE, ROBERT J. 2,985,754
REESE, ROBERT J. 2,985,755
REEVES, MARK 2,984,862
REHRIG PACIFIC COMPANY 2,985,972
REITH, KARL F. 2,985,058
REPUBLIC OF KOREA (MANAGEMENT: RURAL DEVELOPMENT ADMINISTRATION) 2,984,938
RHODES, JEFFREY F. 2,979,008
RICCI, ALESSIO 2,983,495
RICCO, PHILIPPE 2,980,710
RICHARDSON, JACK 2,984,860
RICOH COMPANY, LTD. 2,985,045

ROLLS-ROYCE CORPORATION 2,979,008
ROSENBERG, PAUL 2,985,220
ROSS, STAN 2,984,818
SALIMI, ZOHREH 2,985,450
SAULOU, CORY 2,948,756
SAVARESE, SILVIO 2,985,045
SB INGENIERIE 2,984,283
SEBULSKY, RICHARD A. 2,985,747
SELLERS, DAVID ANGLIN 2,985,792
SELLS, SCOTT 2,985,058
SFC GLOBAL SUPPLY CHAIN, INC. 2,985,607
SHAH, HARDIK PRADEEP 2,965,070
SHAH, PRATIK NARESH 2,985,756
SHIGETA, YASUSHI 2,985,946
SHIGETA, YASUSHI 2,985,950
SIECZKOWSKI, PHILIP 2,979,467
SNAP-ON INCORPORATED 2,985,068
SNYDER, RYAN G. 2,985,748
SPIRAL GENETICS, INC. 2,948,793
STAMPS, FRANK BRADLEY 2,982,110
STANKUS, JOHN C. 2,985,785
STEPHENS, RONAN 2,985,756
STEWART, TIM 2,948,756
STONE, PAUL 2,975,684
STRYDOM, PHILIP 2,977,270
SULLIVAN, SHELBY IEE 2,985,242
SUNDBERG, DAVID M. 2,985,779
SUPRENANT, PAT 2,985,607
SYMROC BUSINESS AND PROJECT MANAGEMENT LTD. 2,985,433
SYNGENTA PARTICIPATIONS AG 2,968,777
SYNGENTA PARTICIPATIONS AG 2,972,738
TAIWAN FU HSING INDUSTRIAL CO., LTD. 2,967,697
TANG, HU 2,982,065
TASKER, TREVOR 2,948,991
TATUM, JEFFREY B. 2,985,792
TAWS, MATTHEW 2,972,965
THE BOEING COMPANY 2,977,149
THE BRAUN CORPORATION 2,985,774
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 2,948,499
THE GOVERNORS OF THE UNIVERSITY OF ALBERTA 2,985,450
THIENST, ANDREAS 2,985,762
THOMAS & BETTS INTERNATIONAL LLC 2,984,852
THOMAS, TREVOR 2,948,271
THOMPSON, CHAD 2,985,058
THOMPSON, LINDSAY 2,949,888
TKKUN, SEAN 2,985,282
TOSHIBA INTERNATIONAL CORPORATION 2,985,751
TOWLER, MARK 2,948,704
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,984,658
TRANE INTERNATIONAL INC. 2,985,964
TU, HUOLIN 2,974,954
TWAROSKI, JACOB D. 2,985,428
US WELL SERVICES LLC 2,961,419
UT-BATTELLE, LLC 2,948,962
VELTRI, JEFFREY ALLAN 2,985,940
VERHOFF, JONATHAN MICHAEL 2,985,259
VINSKI, JOHNNY 2,968,283
VOLNY, JARO S. 2,979,088
VOLNY, JARO S. 2,979,093
WABASH NATIONAL, L.P. 2,985,921
WAGONER, TED TILMAN 2,972,213
WALKER, ANDREW 2,984,857
WALKER, ANDREW 2,984,860
WATER REMEDIATION TECHNOLOGY LLC 2,985,592
WEIR, MITCHELL 2,972,965
WEN, YU-CHE 2,985,436
WHITEWATER WEST INDUSTRIES LTD. 2,985,747
WHITEWATER WEST INDUSTRIES LTD. 2,985,748
WILGER INDUSTRIES LTD. 2,951,789
WILGER, WILFRED H. 2,951,789
WILKS, ORION 2,981,725
WILSON, DANE FRANCIS 2,948,962
WOLF, ACHIM 2,985,762
WOLF, GREGG M. 2,985,792
WRIGHT, ARTHUR P. G. 2,948,510
WRIGHT, GABRIELLE A. 2,948,510
WRIGHT, GERRY 2,948,510
WU, YI YAN 2,948,514
XIONG, TOM 2,985,072
ZAR, LIOR 2,984,958
ZARRAONANDIA, DAVID 2,985,586
ZHANG, JIAMIN 2,982,065
ZHANG, LI 2,982,065
ZHANG, SOPHIA 2,985,072
ZHONG, KEVIN 2,985,072
ZLOBINSKY, YURY 2,955,449
ZURN INDUSTRIES, LLC 2,985,428

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

24/7 CUSTOMER, INC. 3,004,334
24/7 CUSTOMER, INC. 3,004,344
3M INNOVATIVE PROPERTIES COMPANY 3,004,259
3M INNOVATIVE PROPERTIES COMPANY 3,004,267
4C DESIGN LIMITED 2,997,661
4D PHARMA RESEARCH LIMITED 2,988,657
4D PHARMA RESEARCH LIMITED 2,988,686
4D PHARMA RESEARCH LIMITED 2,988,693
4D PHARMA RESEARCH LIMITED 2,988,695
7A9, LLC 3,004,253
A. RAYMOND ET CIE 2,987,825
AALTO, JUHA-MATTI 2,996,811
AASEN, JON PETTER HELGESEN 3,003,966
AB CONNECTORS LTD 2,982,431
AB CONNECTORS LTD 2,984,465
AB GRAPHIC INTERNATIONAL LTD 2,981,241
AB MEDICA 2,997,653
AB7 INNOVATION S.A.S.U. 2,994,363
ABAL, DANIEL 3,004,489
ABBINENI, CHANDRASEKHAR 2,989,265
ABBVIE S.A.R.L. 2,991,273
ABDEL-GADIR, AZZA 3,003,908
ABDOLAHIAN, ALESSIO 2,997,043
ABDOLLAH, JAFAR 2,997,901
ABDOLVAND, AMIN 3,002,315
ABDOLVAND, AMIN 3,002,318
ABEEWAY 2,990,763
ABEND, JOHANNA 2,995,795
ABHARI, KAMYAR 3,004,167
ABLOY OY 2,996,914
ABOU-MARIE, RUND 2,995,553
ABRAHAM, JAYA 2,997,364
ABRAHAM, JAYA 2,997,463
ABRAMOVICH, SAGI 2,987,195
ABRAMOVICH, SAGI 2,992,525
ABRAMS, STEPHEN 3,004,499
ABSOLUTE MODULE OY 2,993,751
ABU DHABI OIL REFINING COMPANY (TAKREER) 2,995,643
ABU DHABI OIL REFINING COMPANY (TAKREER) 2,995,646
ACADEMISCH ZIEKENHUIS GRONINGEN 2,999,428
ACADEMISCH ZIEKENHUIS MAASTRICHT 3,004,786
ACCENTURE GLOBAL SERVICES LIMITED 2,994,508
ACCENTURE GLOBAL SERVICES LIMITED 2,994,511
ACCUITIS PHARMACEUTICALS, INC. 3,004,587
ACELL INDUSTRIES LIMITED 2,995,331
ACELL INDUSTRIES LIMITED 2,995,333
ACERTA PHARMA B.V. 2,991,096
ACEVEDO VELEZ, CLARIBEL 3,004,207
ACHKOVA, DANIELA YORDANOVA 2,993,746
ACIKGOZ DOROKIN, CANET 3,004,481
ACIPENSER BIOTECH LIMITED 2,989,254
ACTEGA METAL PRINT GMBH 2,987,183
ACTEGA METAL PRINT GMBH 2,987,195
ACTEGA METAL PRINT GMBH 2,987,198
ACTELION PHARMACEUTICALS LTD 2,989,098
AD INSERTION PLATFORM SARL 2,990,759
ADABIO CO.,LTD. 3,004,153
ADACHI, MASAKAZU 3,004,153
ADACHI, SHINYA 3,004,257
ADACHI, TARO 3,004,153
ADAM MICKIEWICZ UNIVERSITY FOUNDATION 2,993,634
ADAMCZYK, WOJCIECH MAREK 2,998,293
ADAMS, MIKE 2,981,241
ADAMS, PAUL E. 3,004,269
ADDISON HVAC LLC 3,004,629
ADIOS PATENT GMBH 2,996,124
ADKINS, JAMES M., III 3,004,175
ADLER, ARIEL 2,986,518
ADLER, ARIEL 2,987,183
ADVANCED ENGINEERING SOLUTIONS LTD. 2,991,960
ADVAXIS, INC. 2,990,570
AER BEATHA LIMITED 3,004,674
AFASCI, INC. 3,004,448
AFINITI EUROPE TECHNOLOGIES LIMITED 3,004,210
AFINITI EUROPE TECHNOLOGIES LIMITED 3,004,211
AFINITI EUROPE TECHNOLOGIES LIMITED 3,004,212
AFINITI EUROPE TECHNOLOGIES LIMITED 3,004,240
AFL TELECOMMUNICATIONS LLC 3,004,328
AFSHAR, SEPIDEH 3,003,911
AFTON CHEMICAL CORPORATION 3,004,838
AFYREN 2,991,003
AGALIMMUNE LIMITED 3,004,107
AGARWAL, MUKESH 3,004,392
AGARWAL, SAURAV 3,004,262
AGARWAL, SAURAV 3,004,442
AGARWAL, VINEET 3,004,281
AGHAMOHAMMADI, ALIAKBAR 3,004,262
AGHAMOHAMMADI, ALIAKBAR 3,004,442
AGROWING LTD 3,004,388
AGUILAR, JEFF 3,004,350
AHEARN, KEVIN 3,004,711
AHLGREN, JONNI 2,995,032
AHN, IK-RO 2,988,496
AHO, JANI 3,004,662
AIM BIOTECH PTE. LTD. 3,004,596
AIMM THERAPEUTICS B.V. 2,989,551
AIR LIQUIDE OIL AND GAS SERVICES LIMITED 2,997,158
AIR TO AIR SWEDEN AB 3,004,827
AIRBUS DEFENCE AND SPACE SAS 2,993,926
AIRBUS DEFENCE AND SPACE SAS 2,998,721
AIRBUS DEFENCE AND SPACE SAS 3,003,495
AIRHELMET S.R.L. 2,997,043
AIRSUITE INC. 3,004,501
AIRSUITE INC. 3,004,507
AISSAOUI, HAMED 2,989,098
AIT ABDELMALEK, FARID 3,004,694
AJINOMOTO CO., INC. 2,996,025
AJINOMOTO CO., INC. 2,996,028
AKIYAMA, TOMOAKI 3,004,245
AKIYAMA, TOMOAKI 3,004,252
AKLE, CHARLES 2,990,107
AKNIN, OFER 2,986,370
AKNIN, OFER 2,986,514
AKNIN, OFER 2,986,518
AKOULITCHEV, ALEXANDRE 2,988,673
AKOULITCHEV, ALEXANDRE 2,988,674
AKYILDIZ, HASAN 3,004,384
AKZO NOBEL CHEMICALS INTERNATIONAL B.V. 3,004,195
AL DULAYYMI, JUMA'A RAHEEM NAJEEM 2,991,183
AL-DULAYYMI, JUMA'A RAHEEM NAJEEM 2,990,535
AL-HAJ ALI, MOHAMMAD 3,004,181
AL-HAJ ALI, MOHAMMAD 3,004,662
ALARCON SANCHEZ, BALBINO 2,995,021
ALBERINI, VILIAM 2,994,389

ALBERT KNEBEL HOLDING GMBH 3,004,377
ALBERTELLI, ALDINO 2,995,331
ALBERTELLI, ALDINO 2,995,333
ALBRECHT, ANDREAS 3,004,357
ALCATEL LUCENT 3,004,359
ALDRIDGE, MICHAEL 2,997,661
ALECTOR LLC 3,003,458
ALERE SAN DIEGO, INC. 3,004,130
ALERE SWITZERLAND GMBH 3,004,130
ALEXANDER, NELSON 3,004,504
ALEXANDER, RIKKI PETER 2,995,909
ALFACYTE LTD 2,998,456
ALFI S.R.L. 2,997,235
ALFIERI, MICHELE 3,004,243
ALFORD, JOHN 3,004,274
ALIVERTI, ANDREA 2,994,362
ALLAIS, CHRISTOPHE PHILIPPE 2,996,389
ALLEN, THOMAS 3,004,711
ALLERGAN, INC. 3,004,453
ALLNEX NETHERLANDS B.V. 3,004,178
ALMAC DIAGNOSTICS LIMITED 2,989,388
ALMAC DIAGNOSTICS LIMITED 2,993,142
ALMANOVA S.R.L. 2,997,515
ALMEIDA, ANA RITA MARTINS GUERREIRO ROCHA 2,988,392
ALMOSDI, PETER 3,004,325
ALSTOM GRID UK LIMITED 2,984,086
ALTALHI, ARWA SALEH D 2,996,268
ALTENBACH, ROBERT J. 2,991,273
ALTEOGEN, INC. 2,990,582
ALTERA TIBBI MALZEME SANAYI VE TICARET ANONIM SIRKETI 2,995,064
ALTOP PATENTS B.V. 2,994,263
AM TECHNOLOGY LIMITED 2,998,787
AMADEI, ETTORE 2,997,515
AMATO, DAVID JOHN 3,004,361
AMAZON TECHNOLOGIES, INC. 3,004,189
AMBROSEN, HELEN ELIZABETH 2,995,650
AMIR, MOHAMMAD 2,994,208
AMO WAVEFRONT SCIENCES, LLC 3,003,907
AMOREPACIFIC CORPORATION 2,989,289
AMOREPACIFIC CORPORATION 2,990,157
AN, SEONG-CHEOL 2,993,430
ANAVIM, ORI 3,004,410
ANCESTRY.COM DNA, LLC 2,991,230
ANCESTRY.COM DNA, LLC 2,992,397
ANDERSEN, MADS HALD 2,998,789
ANDERSEN, RYAN M. 3,004,844
ANDERSON, AMANDA K. 3,004,602
ANDERSON, DAVID 3,003,397
ANDERSON, DAVID RANDOLPH 2,995,153
ANDJOUH, SOFYANE 3,004,386
ANDLAUER, BARBARA 2,996,635
ANDREOLETTI, GILBERT 3,004,689
ANDRES-GIL, JOSE IGNACIO 3,003,962
ANDRES-GIL, JOSE IGNACIO 3,003,998
ANDREWS, MICHAEL 3,004,780
ANDREWS, RICHARD 3,004,678
ANDRIVON, PIERRE 3,004,793
ANG, PETER PUI LOK 3,004,485
ANGELETAKIS, CHRISTOS 3,003,902
ANGELI, PIETRO 2,997,238
ANGUITA, JUAN 2,995,079
ANSELMO, ACHILLE 3,004,378
ANTHIERENS, TOM 3,004,779
ANTONSSON, STEFAN 3,003,581
ANUSAS, MICHAEL 2,997,661
ANYAOGU, KELECHI C. 3,003,879
AOKI, SHIN 2,995,053
AP&C ADVANCED POWDERS AND COATINGS INC. 3,003,502
APERISYS, INC. 3,004,738
APOSENSE LTD. 2,995,663
APPVIEWX INC 2,992,402
APPVIEWX INC 2,998,465
AQUA VIEW INC. 3,004,050
ARAI, KENZO 3,004,623
ARCELORMITTAL 2,997,582
ARCELORMITTAL 2,999,348
ARCELORMITTAL 3,004,454
ARCELORMITTAL 3,004,528
ARCHER, JACOB FREEMAN 3,004,132
ARCITA 3,004,342
ARDYNE TECHNOLOGIES LIMITED 2,996,785
ARESTA, GIANFRANCO 2,986,357
ARET, EDWIN 2,991,096
ARGYROS, AARON 2,997,380
ARGYROS, AARON 3,004,228
ARIANEGROUP SAS 2,990,175
ARIANEGROUP SAS 2,991,526
ARKEMA FRANCE 2,993,488
ARKEMA FRANCE 2,995,349
ARKEMA FRANCE 2,998,063
ARKEMA INC. 3,004,844
ARMANDO, LODOVICO 2,992,953
ARMSTRONG, JOHN A. 2,998,712
ARNAUD, GUILLAUME 2,997,158
ARRAITZ, ANNE-MARIE 2,998,277
ARSENE, FLORINA LILIANA 3,004,852
ART HEALTHCARE LTD. 2,994,366
ARTHUR, RICHARD 2,991,293
ARTHUR, RICHARD STEPHEN 2,991,169
ASCHWANDEN, IVO 3,004,626
ASENDORF, NICHOLAS A. 3,004,259
ASENDORF, NICHOLAS A. 3,004,267
ASG GROUP LTD 3,004,387
ASHER, TAMAR 2,987,195
ASK CHEMICALS LLC 3,004,367
ASKAT INC. 3,000,237
ASKIJIAN, ARMEN 2,994,364
ASKNES, NILS 2,997,158
ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOCIENCIAS-CIC BIOGUNE 2,995,079
ASSING, HUBERT 3,004,119
ASTEX THERAPEUTICS LIMITED 2,988,373
ASTEX THERAPEUTICS LIMITED 2,988,374
ATANDA, DELE 3,003,084
ATCHLEY, MICHAEL D. 3,004,294
ATCHLEY, MICHAEL D. 3,004,470
ATLAS BOLT & SCREW COMPANY LLC 3,003,924
ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP 2,997,573
ATLAS ELEKTRONIK GMBH 2,996,537
ATLAS ELEKTRONIK GMBH 2,997,196
ATRECA, INC. 3,004,310
ATTI, VENKATRAMAN 3,004,609
ATTI, VENKATRAMAN 3,004,770
ATTIWELL, PAUL 3,004,471
ATUNGSIRI, SAMUEL ASANGBENG 2,990,319
AUDDY, BISWAJIT 2,989,743
AUDET, ANNICK M. 2,988,625
AUDIO INVENTIONS LIMITED 2,993,147
AUSTRHEIM, TROND 3,004,208
AUSTRHEIM, TROND 3,004,533
AUTIER, VALERIE 2,988,625
AUTOLUS LIMITED 2,995,775
AUTOLUS LIMITED 2,995,785
AUTOSTORE TECHNOLOGY AS 3,004,014
AUTOSTORE TECHNOLOGY AS 3,004,208
AUTOSTORE TECHNOLOGY AS 3,004,533
AUTRUSSON, NICOLAS 2,990,175
AVANTIUM KNOWLEDGE CENTRE B.V. 2,995,560
AVENT, INC. 3,003,587
AVENT, INC. 3,004,443
AVENT, INC. 3,004,447
AVERBACK, PAUL 2,992,174
AVIGAN, DAVID 3,004,597
AVITA INTERNATIONAL LTD. 2,995,429
AVLONITIS, NIKOLAOS 3,003,955
AVLONITIS, NIKOLAOS 3,003,964
AVRILLON, STEPHANE 2,994,728
AXENS 3,003,947
AXEROVISION, INC. 2,989,522
AXICHEM AB 3,001,310
AXTEN, JEFFREY MICHAEL 2,998,705
AYASKANTA, ARYA 3,004,768
AZAIZ, RIDHA 2,991,533
AZERRAF, CLARITE 2,998,989
AZOTIC TECHNOLOGIES LTD 2,992,800
AZOTIC TECHNOLOGIES LTD 2,992,809
B+B ENGINEERING GMBH 2,997,308
BABAU, MAUD 2,996,025
BABAU, MAUD 2,996,028

BABCOCK & WILCOX POWER GENERATION GROUP CANADA CORP. 3,004,761
BACH, JEAN-MARIE 3,004,192
BACHMAN, GREGORY W. 3,004,172
BACKFOLK, KAJ 2,994,388
BACKFOLK, KAJ 2,995,435
BACKFOLK, KAJ 2,995,437
BACKFOLK, KAJ 2,995,478
BACONNIER, PIERRE 2,995,343
BADULESCU, CRISTINA 2,985,299
BAE SYSTEMS PLC 2,981,650
BAE SYSTEMS PLC 2,991,169
BAE SYSTEMS PLC 2,991,293
BAE SYSTEMS PLC 2,993,481
BAE SYSTEMS PLC 2,994,616
BAE SYSTEMS PLC 2,998,273
BAE, MISEON 2,993,929
BAG, NILKAMAL 2,993,131
BAGEL LABS CO., LTD. 2,988,214
BAGGAVALLI, SOMESH 2,993,922
BAGGER, HEIDI WESTH 3,004,145
BAGLEYBTER, OLEG 2,984,086
BAGNATO, MAURIZIO 3,000,100
BAILEY, BRENT ANDREW 2,997,817
BAILEY, MELISSA D. 3,004,408
BAILEY, WILLIAM J. 3,004,112
BAIRD, MARK STEPHEN 2,990,535
BAIRD, MARK STEPHEN 2,991,183
BAISCH, SCOTT CHARLES 2,998,295
BAJPAI, MALINI 2,993,304
BAKALA, L'UDOVIT 2,996,488
BAKER, HARRY 2,997,413
BAKKER, ALEXANDER BERTHOLD HENDRIK 2,991,880
BALDEMAIR, ROBERT 3,003,388
BALDEMAIR, ROBERT 3,003,390
BALDINGER, PETER 2,993,238
BALESKI, SUSAN 3,004,599
BALMAYER, MATTHIEU 3,003,502
BAM, NARENDRA B. 2,996,088
BAMBERG, SARAH 3,003,945
BAMFORD, STEWART 2,991,664
BANATFY, RUDOLF 2,990,351
BANCHINI, MARCO 3,004,682
BANDA, DOMINIC HOWARD 3,004,805
BANERJEE, MOLOY 2,996,263
BANERJEE, SALIL 3,004,832
BANHAM, ALISON 2,996,601
BANKS, STEVE 2,993,137
BANNAS, PETER 3,004,792
BARAWKAR, DINESH 2,993,312
BARBA-SPAETH, GIOVANNA 2,988,499
BARBOUR, ROBIN 2,994,518
BARDAKAS, ACHILLEAS 3,004,783
BARF, TJEERD 2,991,096
BARFIELD, ROBYN M. 3,004,584
BARHOUMI, AOUNE 3,004,504
BARKER, DAVID A. 2,998,903
BARKER, GARY 3,004,761
BARNEA, EYTAN R. 3,004,055
BARNETCHE, THOMAS 3,004,183
BARRETT, JOHN REGINALD 2,990,326
BARRETT, TRISHA 2,997,380
BARRETT, TRISHA 3,004,228
BARROS, ANTHONY 3,004,389
BARSCEVICIUS, PAULO 2,996,253
BARSCEVICIUS, PAULO 2,996,254
BARSCEVICIUS, PAULO 2,996,255
BARTFAI, TAMAS 3,004,043
BARTFAI, TAMAS 3,004,044
BARTFAI, TAMAS 3,004,046
BARTHELL, EDWARD 3,004,601
BARTON, GREGORY WILLIAM JAMES 2,998,273
BARTON, WILLIAM R. S. 3,004,269
BARTON, WILLIAM R.S. 3,004,417
BARTOSZEWICZ, AGNIESZKA 2,997,382
BASF COATINGS GMBH 3,004,781
BASF CORPORATION 3,004,226
BASF SE 3,004,795
BASF SE 3,004,802
BASUN, HANS 2,991,856
BATKO, THOMAS JAMES 3,004,279
BATTELLE MEMORIAL INSTITUTE 3,004,102
BAUDET, JEAN-PAUL 2,998,903
BAULIEU, ETIENNE 3,004,366
BAUMAS, OLIVIER JEAN DANIEL 2,998,277
BAUNE, EMMANUEL 2,997,158
BAVARIAN NORDIC A/S 2,990,549
BAXLEY, WILLILAM EDWARD 3,004,190
BAYER CROPSCIENCE AKTIENGESELLSCHAFT 3,004,360
BAYER CROPSCIENCE LP 3,004,624
BAYER CROPSCIENCE NV 3,004,624
BAYER PHARMA AKTIENGESELLSCHAFT 3,004,789
BAYLIS MEDICAL COMPANY INC. 2,995,553
BAYLOR COLLEGE OF MEDICINE 3,004,421
BECAVIN, THIBAULT 2,985,559
BECKER, GUIDO 3,004,384
BECKETT, PAUL 3,004,636
BECKMANN, WOLFGANG 3,004,384
BEDARD, JEREMY W. 3,004,303
BEDARD, JEREMY W. 3,004,308
BEDARD, JEREMY W. 3,004,316
BEDARD, JEREMY W. 3,004,322
BEDDOK, STEPHANE 2,997,164
BEEHARRY, NEIL 3,004,636
BEESON, RICHARD 3,004,726
BEEVERS, DAVID JOHN 2,992,517
BEGO TECHNOLOGIES, LTD 3,003,464
BEGUIN, ANTHONY PIERRE 2,998,277
BEHABADI, BARDIA FALLAH 3,004,262
BEHKISH, ARSAM 3,004,068
BEHNK, HOLGER 3,004,800
BEHNKEN, SWANTJE 3,004,384
BEINBORN, MARTIN 3,003,465
BEISELE, CHRISTIAN 3,004,371
BELAKSHE, RAVIKANT S. 3,004,403
BELANGER, ALAIN JOSEPH 2,993,913
BELANGER, PAUL W. 3,004,768
BELASKIE, JAMES 3,004,133
BELDEN DEUTSCHLAND GMBH 3,004,128
BELL, JASON RICHARD 3,004,838
BELL, SARA 2,985,426
BELLANDI, PAOLO 2,999,425
BELLEC, MATHILDE 2,994,728
BELLESCHI, MARCO 2,995,551
BELLUCCI, REMO 3,004,318
BELS, KEVIN 2,990,573
BEN NERIAH, YINON 2,994,644
BEN SAHEL, HAKIM 2,997,494
BENADE, VIJAY SIDRAM 2,997,956
BENCHAIB, ABDELKRIM 2,994,372
BENDIX COMMERICAL VEHICLE SYSTEMS LLC 3,003,719
BENET POZO, MARC 2,997,665
BENFEY, PHILIP 3,004,350
BENGTSSON, MATTIAS 3,004,355
BENITA, YAIR 2,991,980
BENNETT, CARL W. 3,004,838
BENNETT, DUNCAN 2,993,501
BENNETT, JENNIFER LYNN 3,004,747
BENNETT, JOHN H. H. 3,004,419
BENNETT, MARIE-LOUISE AMANDA 2,996,375
BENNING, JEMIMA 2,989,254
BENNING, KENNETH 2,989,254
BERDY, DAVID FRANCIS 3,004,764
BERGER, JULIEN 2,995,876
BERGER, WALTER 3,004,630
BERGLUND, PETER LARS AKSEL 3,004,132
BERGMAN, JOHAN 2,995,677
BERGSMA, SHANE ANTHONY 2,984,657
BERGSTRA, MICHIEL 3,004,662
BERGSTROM, DAVID 3,004,497
BERGWERFF, EDWIN 3,004,512
BERKES, MIHALY 2,995,935
BERKSHIRE GREY INC. 3,004,711
BERMAN, TAL 2,995,794
BERNARD, NICOLAS 2,987,825
BERNARDI, MARCO 3,004,247
BERNARDONI, MASSIMO 2,998,787
BERNASINSKI, REGIS 2,998,309
BERNDSEN, JOOST ROBERT 2,994,263
BERNDSEN, MIECHIEL ANTHONY 2,994,263
BERRY GLOBAL, INC. 3,004,264
BERSIER, MICHAEL 3,004,503
BERTHEIM, ULF 3,004,509
BES, BERNARD 2,997,024
BESSOU, NICOLAS 2,989,785
BESSOU, NICOLAS 2,992,930
BETEK GMBH & CO. KG 3,004,502
BETEK GMBH & CO. KG 3,004,515
BETH ISRAEL DEACONESS MEDICAL CENTER 3,004,597
BETTCHER, ROBERT E., III 3,004,783
BEVERIDGE, WILLIAM ALEXANDER 3,004,149
BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,074
BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,076

BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,291
BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,304
BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,313
BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,318
BEWICK-SONNTAG, CHRISTOPHER PHILIP 3,004,463
BEYER, SUSANNE 3,004,363
BEYNEL 2,994,246
BEYOND TWENTY LIMITED 2,997,119
BHARATE, SANDIP BIBISHAN 3,004,534
BHARATE, SONALI SANDIP 3,004,534
BHATTACHARJA, SANKAR 3,004,295
BHUSHAN, NAGA 3,004,485
BHUSHAN, SHASHI 3,004,534
BHYRAPUNENI, GOPINADH 2,997,956
BIALAS, MICHAEL R. 3,004,602
BIALEK, JADWIGA MALGORZATA 3,004,512
BIANCALANA, ALBERTO 3,004,682
BIANCHI, DANIELE 2,999,425
BIART, WAYNE 2,994,360
BIATEC LASER TECHNOLOGY S. R. O. 2,996,259
BIC-VIOLEX SA 3,004,474
BILIC, SANELA 2,993,908
BILIC, SANELA 2,994,918
BINDSEIL, GERON ANDRE 3,004,214
BIOARCTIC NEUROSCIENCE AB 2,991,856
BIOINCEPT, LLC 3,004,055
BIOLOGICAL E LIMITED 2,989,187
BIOSO4 OY 2,996,811
BIRD, ROBERT ANDREW 2,993,408
BIRD, ROWENA JACQUELINE 2,995,650
BIRKETT, STEPHEN LONSDALE 2,997,519
BIRUDUKOTA, N.V. SURYANARAYANA 3,004,805
BITTENCOURT SANTIAGO, IGOR 2,997,574
BIYANI, MANISH RADHESHYAM 2,989,743
BJORKEGREN, HAKAN 3,003,390
BJORKLUND, MORTEN ASGER NILSSON 2,995,401
BJORN, ERNST 2,993,238
BJOROY, OVE 2,989,119
BLAB, RONALD 2,990,022
BLACHE, YVES GUY 3,004,386
BLACHIER, CHRISTIAN 3,004,824
BLAIN, RICK 3,004,837
BLAKE, ADAM JAMES 3,004,090
BLAKEMAN, TOM 2,997,158
BLANASZ, LISA 3,004,269
BLANC, ALEXANDRE 2,997,653
BLANC-PAQUES, PIERRE 2,993,926
BLANCHARD, ROBERT 3,004,639
BLANCO, PATRICK 3,004,183
BLANCO-APARICIO, CARMEN 2,996,233
BLANCTEC CO., LTD. 3,004,245
BLANCTEC CO., LTD. 3,004,252
BLANKENSHIP, YUFEI 2,995,677
BLAREAU, FRANCOIS 2,990,171
BLASCH PRECISION CERAMICS, INC. 3,004,136
BLATTER, FRITZ 2,991,096
BLOCK, TRAVIS 3,004,296
BLOCKUS, SEBASTIAN 3,004,805
BLUECHAIN PTY LTD 3,004,467
BLUEPRINT MEDICINES CORPORATION 3,003,721
BLUETRAM 3,004,661
BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO 3,004,429
BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA 3,004,444
BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,004,197
BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,004,201
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,004,307
BOATENG, WILLIAM BEKOE 3,004,412
BOCHENTIN, THORSTEN 2,997,196
BOCK, MARKUS 3,004,612
BOCKSCH, MARCUS 2,996,918
BODGI, LARRY 2,993,871
BODGI, LARRY 2,994,914
BOEHM, JEFFREY CHARLES 2,988,374
BOETTCHER, BRIAN 2,994,516
BOGDAN, ANDREW 2,991,273
BOGNER, JAQUELINE 3,004,671
BOHANA-KASHTAN, OSNAT 2,993,910
BOHANA-KASHTAN, OSNAT 2,993,912
BOIT, BAPTISTE 2,991,739
BOLEBRUCH, JEFFREY J. 3,004,136
BOLLI, MARTIN 2,989,098
BOLLISH, STEPHEN J. 3,004,489
BOLT, DIRK 2,997,675
BOLTERSDORF, HANS-JOACHIM 3,004,375
BOLYMEDIA HOLDINGS CO. LTD. 2,992,501
BOMBARDIER INC. 2,995,428
BOMBARDIER INC. 2,996,852
BOMZE, DANIEL 2,997,517
BONDIOLI, PAOLO 2,995,314
BONE, ELIZABETH ANN 2,995,896
BONGIOVANNI, LIVIO 2,992,953
BONI, DOMINIC 3,004,480
BONNARDEL, PASCAL 2,990,171
BONZOGNI, LAURENE 2,994,914
BOOKBINDER, STEVE 2,994,630
BOON, CATHY L. 3,003,719
BOOTH, MARK 3,004,428
BOOYSEN, WILLEM ADRIAAN 2,995,432
BORDES, JULIEN 3,004,694
BORDES, PHILIPPE 3,004,793
BOREALIS AG 3,004,181
BOREALIS AG 3,004,383
BOREALIS AG 3,004,662
BOREAN, JEAN-LUC 3,004,528
BOREK, BARTLOMIEJ 2,997,382
BORER, TIM 2,990,569
BORGEN, LARS 2,989,775
BORGMEIER, FRIEDER 3,004,795
BORK, THOMAS F. 2,993,906
BORMANS, GUY MAURITS R 3,003,962
BORMANS, GUY MAURITS R 3,003,998
BORNER, GUNTER 2,997,308
BOSS, CHRISTOPH 2,989,098
BOSSE, KRISTOPHER R. 3,004,438
BOSSUYT, FILIP 2,996,024
BOTTINE, PHILIPPE 2,993,919
BOTTINO, AURELIO 2,993,913
BOUCHER, FRANCOIS 2,995,343
BOUDJEMAA, FABIEN 2,998,061
BOUIN, ETIENNE 3,004,791
BOURDET, PATRICK 3,004,689
BOUTHEGOURD, JEAN-CHRISTOPHE 2,994,916
BOUTINAUD, PHILIPPE 3,004,389
BOUZONNET, LORIS 2,990,345
BOVIN, NICOLAI VLADIMIROVICH 3,004,107
BOYD, RICHARD 3,004,120
BOYER, CECILE 3,004,192
BOYER, DAMIEN 3,004,389
BOYSEL, ROBERT MARK 3,004,760
BOYSEL, ROBERT MARK 3,004,763
BOZICNIK, STANE 2,997,124
BOZIKIS, IOANNIS 3,004,474
BRACHYA, GUY 2,994,644
BRACKLEY, III, JAMES A. 2,990,474
BRADBURY, DAVID MARK 2,993,481
BRADLEY UNIVERSITY 3,003,904
BRADLEY, MARK 3,003,955
BRADLEY, MARK 3,003,964
BRAINON INC. 2,991,286
BRANDWINE, ERIC JASON 3,004,189
BRANTL, CHRISTIAN 2,990,573
BRASSAT, LUTZ 3,004,385
BRAUN GMBH 2,996,918
BRAVO, DAVID 3,004,836
BRELKO PATENTS (PTY) LTD 2,994,727
BRELKO PATENTS (PTY) LTD 2,994,730
BRENNAN, JAMES 2,990,326
BRES, JEAN-CHARLES 2,998,057
BRESILIS, CHRISTOFOROS - ATHANASIOS 3,004,474
BRET, CHRISTIAN 2,993,488
BRETZ, KURT R. 3,004,314
BREVET, MICHIEL 2,996,266
BRIANO, FLORIA OTTONELLO 2,990,947
BRICHORY, FRANCK 2,991,846
BRIGHTWELL, SCOTT 3,004,538
BRINKMEIER, ANDREW 3,004,295

BRITISH BROADCASTING CORPORATION 2,990,569
BRITISH GAS TRADING LIMITED 2,991,588
BRODIE, BEKKA SUE 3,004,090
BRODKORB, SEBASTIAN 2,997,308
BROG, YAACOV MICHA 2,989,991
BROGAN, COLIN 3,004,178
BROKENSHIRE, STEVEN 2,997,865
BROMLEY, KEITH 2,995,438
BRONSTRUP, MARK 3,004,805
BROOKS, ANDREW SIMON HALL 2,986,357
BROOKS, BRIAN E. 3,004,259
BROOKS, BRIAN E. 3,004,267
BROOKS, JILL KRISTIN 3,004,309
BROWN, CHRIS 2,996,368
BROWN, CHRISTINE E. 3,004,306
BROWN, GARETH 3,004,417
BROWN, GILES ALBERT 2,993,484
BROWN, GILES ALBERT 2,994,143
BROWN, GILES ALBERT 2,994,203
BROWN, MARC BARRY 3,004,191
BROWN, TOM 2,998,712
BRU GIBERT, RAFAEL 2,992,819
BRU GIBERT, RAFAEL 2,992,824
BRUBAKER, JASON D. 3,003,721
BRUDIEU, BARBARA 2,995,345
BRUNET, LAURA ROSA 2,990,107
BRUNETTE, REBECCA ROSEMARY 3,004,774
BRUNT, JAMES EDWARD 2,997,174
BRUNT, JAMES EDWARD 2,998,722
BRUSS, ROBERT 3,004,762
BRY, LYNN 3,003,908
BRYANT, MARC A. 2,991,845
BRYSCH, WOLFGANG 2,990,298
BUCHFELLNER, ANDREA 3,004,671
BUD, ANDREW 3,003,550
BUDD, MICHAEL 2,991,293
BUDD, MICHAEL EDWARD 2,991,169
BUDNIAK, ADAM KRZYSZTOF 2,998,293
BUEREN RONCERO, JUAN ANTONIO 3,004,171
BUFFE, CLOTHILDE 2,995,162
BUKOFZER, STANLEY 3,004,331
BULL SAS 2,990,345
BULUSU, SURYATEJA 3,004,003
BUNNELL, ANTHONY 2,994,055
BUONAMICI, SILVIA 3,004,623
BURGIN, PAUL 2,997,158
BURKES, RYAN 3,004,265
BURLA, SATISH 2,993,131
BURNS, ALASDAIR 2,997,681
BURSTAIN, IDO 2,994,644
BURTON, LYLE LORRENCE 2,989,523
BUSS, HELMUT 3,004,119
BUSSIERES, FREDERIC 3,004,162
BUTLER, MARTIN 2,997,174
BUTLER, MARTIN 2,998,722
BUTTERFIELD, ROBERT DWAINE 3,004,489
BUZZZ PHARMACEUTICALS LIMITED 3,004,191
BV BIOMED LTD 2,997,681
BWG BERGWERK- UND WALZWERK-MASCHINENBAU GMBH 3,004,532
BYARD, JOHN 3,004,774
BYGRAVE, PETER NATHAN 2,993,896
BYLESJO, MAX 2,993,142
BYRNE, THOMAS 3,004,762
BYUN, DOO JIN 2,990,133
CA CASYSO GMBH 2,990,573
CABRI, WALTER 2,996,258
CACLIN, JEROME 3,004,808
CAILLET, XAVIER 2,995,471
CAIRA, ANTONIO 2,997,238
CAIRD, BRIAN SCOTT 2,990,554
CAIRNS, GEOFFREY IAN 2,998,295
CALAGARI, KIANA ALI ASGHAR 2,994,514
CALDWELL, JOHN RYAN 3,004,338
CALLAHAN, JAMES FRANCIS 2,988,374
CALLEGARO, IVANO 2,994,913
CALZADA DEFEZ, ANGEL 2,997,665
CAMACHO GOMEZ, JUAN ALBERTO 2,994,918
CAMERON, JOHN 2,991,857
CAMERON, JOHN 2,993,908
CAMERON, JOHN SCOTT 2,994,918
CAMPAGNA, MATTHEW JOHN 3,004,189
CAMPBELL, IAN 2,997,413
CAMPBELL, WILLIAM CHRISTOPHER 2,997,679
CAMPRUBI TORRAS, ENRIC 2,993,410
CANCER RESEARCH TECHNOLOGY LIMITED 2,996,601
CANELLI, HUGH B. 2,992,949
CANOVA, LORENZO 2,995,655
CANSFIELD, JULIE 2,994,203
CAO PHARMACEUTICALS INC. 3,003,906
CAO, GUOQING 3,004,804
CAO, SHIWEI 3,003,937
CAO, SHIWEI 3,004,187
CAO, SHUXUN 2,981,638
CAO, ZHISONG 3,003,906
CAO, ZHU 2,991,857
CAPLAN, SHARI LYNN 2,994,516
CARAGIULI, GABRIELE 2,996,858
CARBONE, DOMENICO CARMELO 2,994,058
CARDINAL, THIERRY 3,004,817
CARDONA, DAVID 2,994,055
CAREFUSION 303, INC. 3,004,489
CARGILL, INCORPORATED 3,004,151
CARGILL, INCORPORATED 3,004,176
CARGILL, INCORPORATED 3,004,177
CARIBOU BIOSCIENCES, INC. 3,004,757
CARINOPHARM GMBH 3,004,362
CARL FREUDENBERG KG 3,004,137
CARLA, VITO 3,004,463
CARLSEN, INGE MANFRED 2,997,901
CARNIEL, CHRISTOPHE 2,998,865
CARPENTER, BRIAN SCOTT 3,004,180
CARPENTER, BRIAN SCOTT 3,004,256
CARR, MICHAEL JOHN 2,996,252
CARR, ROBERT T. 3,004,303
CARR, ROBERT T. 3,004,308
CARREGA, AUDE 3,003,980
CARRERA FABRA, JORDI 2,992,819
CARRERA FABRA, JORDI 2,992,824
CARROLL, CIAN SEAMUS 3,004,598
CARSWELL, SAMUEL A. 3,004,067
CARTHERICS PTY. LTD. 3,004,120
CARTRON, GUILLAUME 2,988,781
CASAGRANDE, CHARLES L. 3,003,935
CASALE SA 3,004,186
CASCARINO, SARA 2,998,309
CASCIONE, TOMASO 3,004,137
CASHMAN, NEIL R. 3,004,482
CASHMAN, NEIL R. 3,004,493
CASHMAN, NEIL R. 3,004,494
CASHMAN, NEIL R. 3,004,496
CASHMAN, NEIL R. 3,004,498
CASIRAGHI, FLAVIO 3,004,473
CASOLI, LINO 2,992,417
CASTRO, DEJA S. 3,004,351
CASTRO-PALOMINO LARIA, JULIO CESAR 2,994,918
CATERPILLAR INC. 3,004,514
CATRINA, ANCA 2,994,796
CATRINA, ANCA 2,994,798
CAUX, JOCELYN 2,996,588
CEBE, REGIS 2,994,516
CECIL, ALEXANDER RICHARD LIAM 2,995,896
CECIL, ALEXANDER RICHARD LIAM 2,995,902
CECIL, ALEXANDER RICHARD LIAM 2,995,909
CEFLA SOCIETA' COOPERATIVA 3,004,860
CELEBI, ADEM 3,004,172
CELGENE QUANTICEL RESEARCH, INC. 3,004,300
CELL CURE NEUROSCIENCES LTD. 2,993,910
CELL CURE NEUROSCIENCES LTD. 2,993,912
CELLBION CO,. LTD 3,004,696
CELLECTIS 2,998,825
CELLECTIS 3,004,171
CELLERANT THERAPEUTICS, INC. 3,004,743
CELLIVERY THERAPEUTICS, INC. 2,993,778
CENTRALESUPELEC 2,994,372
CENTRE HOSPITALIER REGIONAL ET UNIVERSITAIRE DE LILLE (CHRU) 2,985,559
CENTRE HOSPITALIER UNIVERSITAIRE DE BORDEAUX 3,004,183
CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE 2,991,524

CENTRE HOSPITALIER UNIVERSITAIRE DE MONTPELLIER 2,988,781
CENTRE LEON BERARD 2,993,871
CENTRE LEON BERARD 2,994,914
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS - 3,004,183
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 2,988,781
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 2,993,871
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 2,994,246
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 2,994,914
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 2,997,616
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,000,291
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,004,389
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,004,817
CENTRO DE INVESTIGACION BIOMEDICA EN RED 3,004,171
CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS 3,004,171
CERTAINTEED GYPSUM, INC. 3,004,290
CES TECHNOLOGY S.A.R.L. 2,981,218
CESA, JOSEPH A. 3,004,443
CESA, JOSEPH A. 3,004,447
CESAR GALOBARDES, JOAN 2,993,410
CESARI, PHILIPPE 2,998,721
CEZAR, RENAUD 2,988,781
CGG SERVICES SAS 2,994,789
CGG SERVICES SAS 2,996,023
CHADA, SUNIL 3,004,530
CHADEYRON, GENEVIEVE 3,004,389
CHAE, PIL SEOK 2,997,394
CHAGGARES, NICHOLAS CHRISTOPHER 3,004,354
CHAGGARES, NICHOLAS CHRISTOPHER 3,004,356
CHAI, FENG 2,985,559
CHAKKA, SAI KUMAR 3,004,641
CHAKRABARTI, SHRABANA 2,989,743
CHAKRABORTY, ABIR 3,004,344
CHAMBRON, NICOLAS 2,992,791
CHAN, BETTY 3,004,623
CHAN, RYAN NICHOLAS 3,004,346
CHANDA, ARANI 3,004,623
CHANDRAKANT, PARTHA 2,992,949
CHANDRASEKARAN, RAMALAKSHMI YEGNA 2,989,456
CHANFORAN, CELINE 3,004,203
CHANG, FRANK 2,992,823
CHANG, FRANK 3,003,986
CHANG, FRANK 3,004,158
CHANG, YEON 2,989,998
CHAPARRO PADILLA, ALEJANDRA 2,998,275
CHAPPIE, THOMAS ALLEN 2,989,456
CHARGEPOINT TECHNOLOGY LTD 2,997,677
CHARLES, STEVE 2,992,952
CHARLES, STEVEN T. 3,004,094
CHARON, CHRISTINE G. 2,988,625
CHARRIERE, CHRISTOPHE 2,994,441
CHATILA, TALAL A. 3,003,908
CHATROUX, ANDRE 2,997,996
CHAUDHARI, ANITA 2,997,364
CHAUDHARI, ANITA 2,997,463
CHAUDHURI, SWAPAN K. 3,004,752
CHAUHAN, ROHIT 3,004,744
CHAUMILLIAT, CHRISTINE 3,004,824
CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR 3,004,609
CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR 3,004,770
CHECKLEY, CHRISTOPHER 2,997,348
CHEETHAM, EMMA 2,989,779
CHEETHAM, EMMA 2,995,927
CHELLE, RENE 2,994,363
CHEMTREAT, INC. 3,004,311
CHEN, CHEN 2,983,925
CHEN, CHONG 2,983,925
CHEN, CHONG 2,984,657
CHEN, DONG 3,004,761
CHEN, HAO 3,004,644
CHEN, HONGYAN 3,004,371
CHEN, JIN 2,983,925
CHEN, JIN 3,004,620
CHEN, JINHUI 3,004,142
CHEN, SHUHUI 3,004,173
CHEN, TONG 3,004,599
CHEN, WENHAO 3,003,906
CHEN, XIAO-DONG 3,004,296
CHEN, YOUNG K. 3,004,300
CHENG, ARTHUR CHUEN HON 3,003,868
CHENG, JANE C. 3,004,303
CHENG, JANE C. 3,004,308
CHENG, JANE C. 3,004,316
CHEONG, HOE-SEOK 2,997,272
CHEVRON U.S.A. INC. 2,994,208
CHEVRON U.S.A. INC. 3,004,495
CHI TANGYIE, GEORGE 2,998,457
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD. 3,004,173
CHIGURUPATI, HARSHA 2,989,743
CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND 3,004,078
CHILDREN'S MEDICAL CENTER COPORATION 3,003,908
CHILKOOR SOUNDARARAJAN, LAXMI NARASIMHAN 3,004,679
CHINA UNIVERSITY OF MINING AND TECHNOLOGY 2,990,547
CHINA UNIVERSITY OF PETROLEUM(EAST CHINA) 3,004,693
CHINNAPATTU, MURUGAN 2,997,531
CHINTALAPOODI, PRAMOD 2,996,400
CHINTALAPOODI, PRAMOD 2,996,401
CHINTALAPOODI, PRAMOD 2,996,402
CHINTALAPOODI, PRAMOD 3,004,047
CHIPROOT, AVI 2,996,082
CHISHTI, ZIA 3,004,210
CHISHTI, ZIA 3,004,211
CHISHTI, ZIA 3,004,240
CHO, EUNA 2,996,120
CHO, GEUM SIL 2,997,549
CHO, JOONG WOONG 2,993,920
CHO, KYUNG HO 2,997,394
CHO, MONG 2,990,133
CHOI, CHANG-HOON 2,992,969
CHOI, DAEKYU 2,993,929
CHOI, IN JA 2,993,920
CHOI, IN YOUNG 2,991,107
CHOI, IN YOUNG 2,999,823
CHOI, JI-HYE 2,998,092
CHOI, JI-HYOUK 3,004,656
CHOI, JINHONG 3,002,519
CHOI, KYUNG HO 2,989,289
CHOI, MYUNG-SOOK 2,996,872
CHOI, YEONG JIN 2,989,289
CHOI, YEONG JIN 2,990,157
CHON, JAMES Y. 2,992,949
CHONG KUN DANG PHARMACEUTICAL CORP. 2,993,918
CHONG KUN DANG PHARMACEUTICAL CORP. 2,993,929
CHONG KUN DANG PHARMACEUTICAL CORP. 2,994,688
CHONGO, GODFREY 3,004,624
CHOROSINSKI, LEONARD GEORGE 3,004,084
CHOROSINSKI, LEONARD GEORGE 3,004,335
CHOROSINSKI, LEONARD GEORGE 3,004,337
CHOWDHARY, MANJIT S. 3,004,617
CHR. HANSEN NATURAL COLORS A/S 3,004,203
CHRISTENSEN, KURT AGERBAEK 3,004,129
CHRISTENSEN, STEVEN S. 3,003,870
CHRISTIAN, PAUL 2,994,727
CHRISTIAN, PAUL 2,994,730
CHRISTIANSEN, MARTIN BROKNER 3,004,084

Index of PCT Applications Entering the National Phase

CHRISTIANSEN, MARTIN BROKNER 3,004,335
CHRISTIANSEN, MARTIN BROKNER 3,004,337
CHRISTOPHER, MARK RICHARD 3,004,749
CHROMOTEK GMBH 3,004,671
CHRONOPOULOS, ILIAS 2,996,878
CHRONOPOULOU, ANASTASIA 2,996,878
CHRONOPOULOU, KALLIOPI 2,996,878
CHRONOS THERAPEUTICS LIMITED 2,997,868
CHRONOS THERAPEUTICS LIMITED 2,997,869
CHU NANTES 2,990,352
CHU NANTES 3,004,192
CHUGAI SEIYAKU KABUSHIKI KAISHA 2,993,423
CHUGAI SEIYAKU KABUSHIKI KAISHA 3,004,288
CHUN, KWANGWOO 2,990,277
CHUNG, DAE KYUN 2,999,821
CHUNG, HYE SHIN 2,990,582
CHUNG, JIN HO 2,997,549
CHURCH, GEORGE M. 3,004,285
CHURCH, RYAN 2,992,865
CIANCI, ANTONIO 2,998,787
CIPOLLETTA, DANIELA 2,991,857
CITY OF HOPE 3,004,299
CJ CHEILJEDANG CORPORATION 2,990,376
CJ CHEILJEDANG CORPORATION 2,992,970
CJ CHEILJEDANG CORPORATION 2,996,446
CJ CHEILJEDANG CORPORATION 2,996,872
CJ CHEILJEDANG CORPORATION 2,998,312
CLARK, JENNIFER E. 3,004,081
CLARK, ROBERT PARKER 3,003,712
CLARKE, MARTYN J. 3,004,746
CLAUDET, VINCENT 2,998,721
CLAYBROUGH, MATTHIEU 2,989,154
CLEAN PLANET INC. 3,000,121
CLEIJ, THOMAS JAN 3,004,786
CLUFF, CHRISTOPHER W. 2,994,790
COATEX 2,994,622
COBRA SEATS TECHNOLOGY LTD 2,996,097
COBURN, CRAIG 3,004,095
COCKING, ANDREW JOHN 3,004,511
COENEN, ROB 3,004,715
COGLIANDRO, JOHN 3,004,452
COHEN, BENJAMIN 3,004,711
COJANDE, PRASAAD 2,994,912
COJOCARU, GAD S 2,991,980
COKER, JUSTIN JEFFREY 3,003,587
COLBURN, DAWN 3,004,348
COLIN, JEAN-CLAUDE 2,989,785
COLIN, JEAN-CLAUDE 2,992,930
COLLEGE, JOHN W. 3,004,290
COLLINS, LAURA 3,004,603
COLLINS, MARK ANTHONY 3,003,885
COLLINS, MARK ANTHONY 3,004,479
COLLINS, MICHAEL RAYMOND 2,994,917
COLLINSON, NIKKI 2,995,800
COLLINSON, NIKKI 2,997,207
COLOMBAROLI, PAOLO 2,996,394
COLOMBAROLI, PAOLO 2,996,442
COLOMBEL, FRANCK 2,994,728
COLOMER DURAN, RAMON 2,990,936
COLOPLAST A/S 2,997,225
COLORMATRIX HOLDINGS, INC. 2,997,413
COLOSIMO, NICHOLAS GIACOMO ROBERT 2,981,650
COMCARDE LIMITED 2,993,279
COMENGES CASAS, ANNA 2,992,824
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 2,997,996
COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED 2,996,472
COMPUGEN LTD. 2,991,980
CONAHAN, NATASHA 3,004,538
CONDORELLI, GIANLUIGI 3,004,378
CONEGGO, NICOLAS 3,004,801
CONG, YONGZHENG 3,004,102
CONGDON, THOMAS M. 3,004,514
CONGREVE, MILES STUART 2,993,484
CONGREVE, MILES STUART 2,994,143
CONNEXIOS LIFE SCIENCES PVT. LTD. 2,993,922
CONNORS, DANIEL 2,993,903
CONNORS, DANIEL 2,993,904
CONRAD, CHRIS 3,004,636
CONSEIL ET TECHNIQUE 2,995,164
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS 2,995,021
CONSORT MEDICAL PLC 2,997,514
CONSTANT, HOWARD L. 3,004,752
CONSTANTINE, MARGARET JOAN 2,995,650
CONSTANTINE, MARK 2,995,650
CONSTELLIUM ISSOIRE 2,997,024
CONTIN-BORDES, CECILE 3,004,183
COOK, STEPHEN LEONARD 2,991,369
COOPER, PAUL ANDREW 3,003,868
COPAN ITALIA S.P.A. 2,996,858
CORDOBA, SHAUN 2,995,775
CORDOBA, SHAUN 2,995,785
CORFIAS ZUCCALLI, CATHERINE 2,994,622
CORNEAT VISION LTD 2,988,377
CORNEJO, ANDREW 2,996,940
CORNET-GIGOU, MURIELLE MONIQUE JACQUELINE 2,991,524
CORONELLA, CHARLES J. 3,004,429
CORTEN, CATHRIN 3,004,781
CORTEXYME, INC. 3,004,095
COSMETIC WARRIORS LIMITED 2,995,650
COSTA DE BEAUREGARD, PIERRE 2,992,791
COSTA, VERONICA 3,004,799
COTTIER, JACQUES 2,998,721
COTTON, ANDREW 2,990,569
COULON, RICK 3,004,587
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH 3,004,534
COURCHAINE, WINK 3,004,328
COUREY, STEPHEN 3,004,243
COURTAIS, HUGUES 3,004,342
COVESTRO DEUTSCHLAND AG 3,004,384
COVESTRO DEUTSCHLAND AG 3,004,385
COVIZZI, GIAMPAOLO 2,996,394
COVIZZI, GIAMPAOLO 2,996,442
COWART, MARLON D. 2,991,273
COWIE, GAVIN DAVID 2,996,228
COX, ANTHONY MARTIN 3,004,387
COX, GREGORY SIMON 2,992,026
COX, SOPHIE CONSTANCE 2,990,326
CRAIGE, SIMON 3,004,195
CRANFILL III, JOHN 3,004,295
CREMERS, THOMAS 3,001,981
CREMONESI, SUSANNA 2,992,820
CREMONESI, SUSANNA 2,997,868
CREMONESI, SUSANNA 2,997,869
CREWS, EVERETT 3,003,919
CREWS, THOMAS M. 3,004,160
CRIBB, JOHNATHAN ARTHUR 3,004,368
CROCI, ALBERTO MURAT 3,004,586
CROMMAR, KIM 3,004,624
CROMPTON, BRENDAN ROBERT 3,004,466
CROSERA, GIOVANNI 2,997,043
CROSIGNANI, STEFANO 2,994,917
CROSS ZLIN, A.S. 3,002,593
CROWTHER, ASHLEY 2,997,182
CRUZ ADALIA, ARANZAZU 2,995,021
CS GENETICS LIMITED 2,989,976
CSATARI, TAMAS 2,996,102
CUBER, PETR 3,004,776
CUI, DONGBING 3,004,804
CUI, QIMEI 3,003,937
CUI, QIMEI 3,004,187
CULLY, EDWARD H. 3,004,627
CURRAN, KEVIN JOSEPH 2,995,153
CUTTING & WEAR RESISTANT DEVELOPMENTS LIMITED 3,004,202
CV6 THERAPEUTICS (NI) LIMITED 2,991,468
CVS PHARMACY, INC. 3,004,345
CZECH TECHNICAL UNIVERSITY IN PRAGUE, FACULTY OF CIVIL ENGINEERING, DEPARTMENT OF ROAD STRUCTURES 2,989,673
CZESTKOWSKI, WOJCIECH J. 2,997,382
D'SOUZA, ASHA MARINA 2,997,519

Index des demandes PCT entrant en phase nationale

DA SILVA CONCEICAO, ALEXANDRE 3,004,056
DA SILVA, RONALDO ANTONIO 2,997,574
DA VINCI S.R.L. 2,991,475
DACHIRAJU, RAJESH 3,004,700
DAEHLING, STEFAN 3,004,357
DAHL, CARL OSCAR FREDRIK 2,993,914
DAI, JING 2,994,372
DAI, ZHENZHEN 2,990,547
DAILEY, JAMES 3,004,268
DAILY, CHRISTOPHER GEORGE 3,004,605
DAINI, MASAKI 2,992,700
DALENG, JOHANNES ALMING 3,003,966
DALIAN MEDICAL UNIVERSITY 2,984,569
DALLY, JENNIFER 2,996,088
DALMOLEN, LAMBERTUS GERRIT PETER 2,998,315
DALTA, MAHIMA 2,989,187
DALY, DALY 3,003,958
DAMBRINE, BRUNO JACQUES GERARD 2,998,731
DAMES, ANDREW NICHOLAS 2,992,919
DAMM, ANDREAS 3,004,384
DANA-FARBER CANCER INSTITUTE, INC. 3,004,148
DANA-FARBER CANCER INSTITUTE, INC. 3,004,597
DANIELI & C. OFFICINE MECCANICHE S.P.A. 3,004,852
DANKER, WALTER 3,004,521
DANKER, WALTER 3,004,524
DANNENBAUER, KAI 3,004,244
DANNHARDT, GERD 3,004,007
DANZIGER, YOCHAY 2,992,213
DARGAVILLE, PETER ANDERSON 3,004,643
DARKO, GORICANEC 2,997,124
DARLING, JORDAN 3,004,321
DARVILL, WILLIAM 3,003,976
DAS, AMIT KUMAR 2,996,263
DAS, AVIJIT 2,995,800
DAS, AVIJIT 2,997,174
DAS, AVIJIT 2,997,207
DAS, AVIJIT 2,998,722
DAS, SANJIB 2,993,304
DASSA, LIAT 2,991,980
DATRANGE, LAXMIKANT SHAMLAL 2,996,263
DATTA, SUDHIN 3,004,086
DAUGAN, ALAIN CLAUDE-MARIE 2,998,705
DAUGHARTHY, EVAN R. 3,004,285
DAVAIN, LOIC 3,004,825
DAVEY, PAUL 2,993,147
DAVIDSON, BEVERLY L. 3,004,713
DAVIES, CHRISTOPHER 2,993,765
DAVIES, EVAN LLOYD 3,004,370
DAVIES, GRAHAM 2,996,368
DAVIES, MARCUS 2,982,431
DAVIES, MARCUS 2,984,465
DAVIES, PHIL 3,002,735
DAVIS, BRIAN R. 3,004,171
DAVIS, JAMES 3,004,773
DAVIS, JOHN D. 3,004,766
DAVIS, STEVEN C. 3,004,520
DAVIS, STEVEN D. 3,003,900
DAVISON, TIMOTHY 2,989,388
DAVISON, TIMOTHY 2,993,142
DAWSON, ANDREW MARC 3,003,903
DAWSON-HAGGERTY, MICHAEL 3,004,711
DAY, MELINDA 3,004,504
DAYNOURI-PANCINO, FARNAZ 3,003,993
DB PATENTS LTD. 2,990,936
DE BEERS UK LIMITED 2,989,515
DE BEERS UK LTD 2,990,997
DE BLESER, DAVY 2,990,171
DE BLOK, CORNELIS MARIA 2,998,707
DE BROQUEVILLE, AXEL 2,994,542
DE CAVIS AG 2,997,520
DE CUYPER, DIRK 3,004,779
DE KOK, PETRUS MARIA THERESIA 2,990,007
DE LA ROSA, MARTHA ALICIA 2,990,335
DE LA RUE INTERNATIONAL LIMITED 3,004,667
DE LARICHAUDY, JOFFREY 2,990,352
DE MAN, TEUNIS 3,004,155
DE MAN, TEUNIS 3,004,358
DE MAN, TEUNIS 3,004,373
DE MONTFORT UNIVERSITY 2,998,457
DE PAOLI, ORIO 2,996,391
DE SIENA, DAVIDE 2,998,570
DE SOUSA DIAS, ANA SOFIA VAGUEIRO 2,988,392
DE SOUSA DIAS, ANA SOFIA VAGUEIRO 2,990,580
DE SOUSA DIAS, ANA SOFIA VAGUEIRO 2,990,588
DE VILLIERS, DAVID 2,994,896
DE WINTER, LEON 2,989,540
DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO 2,994,913
DE' LONGHI, GIUSEPPE 2,994,913
DEAM HOLDING B.V. 2,997,314
DEANGELIS, NIKKI A. 3,004,117
DEANGELIS, NIKKI A. 3,004,134
DEANGELIS, NIKKI A. 3,004,138
DEBIOPHARM INTERNATIONAL SA 2,991,846
DECAESTECKER, MARK 3,003,405
DEDISSE, DANIEL 2,998,865
DEFFRASNES, PHILIPPE 2,992,025
DEHARO, STEVE 2,993,142
DEHNHARDT, CHRISTOPH MARTIN 2,996,389
DEHURTEVENT, MARION 2,985,559
DEL PAGGIO, ALAN ANTHONY 3,004,679
DEL RIO, FABIEN 2,998,440
DELANEY, JAMES C. 3,004,790
DELAVAL HOLDING AB 3,003,910
DELCAYRE, ALAIN 2,990,549
DELEGRANGE, FANNY 2,996,025
DELELLIS, DAVID J. 3,004,212
DELFELD, MARC 2,994,193
DELIVERIGHT LOGISTICS, INC. 3,004,410
DELL'ORCO, PHILIP CHARLES 3,004,492
DELLAMARY, LUIS A. 3,004,297
DELLAMARY, LUIS A. 3,004,506
DELONCLE, RODOLPHE 3,004,389
DEMIR, OKAN 2,995,924
DEMMEL, ANDREAS 3,004,200
DEMMER, THOMAS 3,004,140
DEMOPULOS, GREGORY A. 3,004,753
DEMUTH, SIMON 3,004,184
DEMUTH, SIMON 3,004,600
DENDRIS 3,000,291
DENT, DAVID 2,992,800
DENT, DAVID 2,992,809
DENTSPLY SIRONA INC. 3,003,902
DEONI, SEAN 3,004,043
DEONI, SEAN 3,004,044
DEONI, SEAN 3,004,046
DEPLANCQ, XAVIER 3,003,495
DERRIEN, MARC 3,004,661
DERY, ORLY 2,989,991
DESBOEUFS, NICOLAS 2,995,655
DESCHAMPS, JEROME 3,004,389
DESERTOT, DIDIER 3,003,959
DESHAIES, MARTIN 2,995,428
DESHAPPRIYA, DINUSHKA 2,997,277
DESHPANDE, ANIL M. 2,993,312
DESHPANDE, SACHIN G. 3,004,582
DESHPANDE, SHAILESH 2,997,364
DESHPANDE, SHAILESH 2,997,463
DESILVA, ARAVINDA 3,004,422
DESJARDINS, DAVID 2,997,734
DESMOORT, CYRIL 2,999,945
DESOUSA, RYAN 3,003,986
DESPAUX, YVAN 3,003,947
DESROSIERS, JOHN J. 3,004,602
DESSE, MARIE-LAURE 3,004,343
DEVEAUX, E[illegible]NNE 2,985,559
DEVINE, GARY 2,992,800
DEVINE, GARY 2,992,809
DEVINSKY, ORRIN 2,989,779
DEVRIES, BRETT, E. 3,004,840
DH TECHNOLOGIES DEVELOPMENT PTE. LTD. 2,989,523
DHALIWAL, KANWALDEEP 3,003,955
DHALIWAL, KANWALDEEP 3,003,964
DHANARAJ, SRIDEVI 3,004,521
DHANARAJ, SRIDEVI 3,004,524
DHARMARAJAN, NARAYANASWAMI 3,004,086
DHOLAKIA, KISHAN 2,985,139
DI BENEDETTO, CARMINE 2,997,238
DIAGNOSTIG LTD 2,990,535
DIAGNOSTIG LTD 2,991,183
DIAZ, JOSUE 3,004,052
DICKEN, YOSEF 2,991,980

DICKSON, MARION CATHERINE 2,993,288
DIETRICH, EVELYNE 2,988,680
DIGITROLL KFT. 2,996,102
DIMBYLOW, STEPHEN ROBERT 2,998,693
DIMBYLOW, STEPHEN ROBERT 2,998,696
DIMBYLOW, STEPHEN ROBERT 2,998,702
DIMITROV, DIMITER 3,004,438
DING, ZHAOZHONG 3,004,173
DIPIETRO, LUCIAN V. 3,003,721
DITTAMORE, RYAN 3,004,150
DITTMER, HAUKE 3,004,806
DITTRICH, KLEMENS 2,992,323
DIVERSEY, INC. 3,004,511
DJELASSI, CEDRIK 2,995,326
DO, MANH HUNG PETER 2,981,638
DODET, REMY 2,995,476
DOERSCH, PAUL 3,003,712
DOMINGUEZ DE MATOS, ANA LUISA 2,998,289
DOMINY, STEPHEN S. 3,004,095
DONALDSON, BLAIR 3,000,598
DONDLINGER, JASON 3,004,289
DONDLINGER, JASON 3,004,608
DONECLE 2,989,154
DONEGAN, SINEAD 2,989,388
DONG-A SOCIO HOLDINGS CO., LTD. 2,995,675
DONOHOUE, PAUL DANIEL 3,004,757
DONOHUE, ANDREW CRAIG 2,997,519
DOR, SNIR 2,992,525
DOREE, JOSE 2,999,947
DORF KETAL CHEMICALS (INDIA) PRIVATE LIMITED 2,991,180
DOSATRON INTERNATIONAL 2,994,441
DOTZAUER, DAVID 3,004,336
DOTZEL, RALF 2,996,373
DOUGLAS, PRAGASH 2,998,277
DOVADOLA, MASSIMO 3,004,860
DOW GLOBAL TECHNOLOGIES LLC 2,996,291
DOW GLOBAL TECHNOLOGIES LLC 3,004,207
DOW GLOBAL TECHNOLOGIES, LLC 3,003,595
DOWD, ERIC 3,004,476
DOWN, MATTHEW 3,004,678
DOWNHOLE TECHNOLOGY, LLC 3,004,370
DRAGIC, ZORICA 2,995,795
DRAK, ALEX 3,003,979
DRAKA COMTEQ BV 2,990,558
DRAKE, ANDREW W. 2,991,980
DRAKE, JAN 2,998,295
DRAKE, PENELOPE M. 3,004,584
DRANOFF, GLENN 3,004,148
DRAPER, BENJAMIN OWEN 2,993,746
DRENCKO, JIRI 2,997,633
DREVON, NICOLAS 3,004,359
DS SMITH PACKAGING LTD 3,003,959
DSG S.R.L. 2,998,570
DSI GETRANKEARMATUREN GMBH 2,994,584
DU, ZHIYONG 2,989,711
DUBOST, BRICE 2,995,655
DUBOST, BRICE 2,996,069
DUDLER, THOMAS 3,004,753
DUFTY, RAYMOND JEFFREY 2,994,470
DUNHAM, LINDSEY 3,004,622
DUNSFORD, MARK 2,996,097
DUPONT NUTRITION BIOSCIENCES APS 3,004,522
DUQUERROY, STEPHANE 2,988,499
DURANCE, TIMOTHY D 3,001,046
DURAND, ALAIN 2,990,168
DURAND, JEAN-DENIS 2,988,625
DURDEN CONCEPT SARL 3,004,209
DUREAU, REMY 3,004,689
DURRANT, LINDY GILLIAN 2,996,436
DUSSAUZE, MARC 3,004,817
DUTT, CHAITANYA 2,997,364
DUTT, CHAITANYA 2,997,463
DUTTLINGER, WILLIAM THOMAS, JR. 2,990,554
DUVAL, DEAN LARRY 3,004,074
DUVAL, DEAN LARRY 3,004,076
DUVAL, DEAN LARRY 3,004,291
DUVAL, DEAN LARRY 3,004,304
DUVAL, DEAN LARRY 3,004,318
DVIR, IRA 3,004,388
DWYER, JAMES C. 3,004,175
DYSON TECHNOLOGY LIMITED 2,998,693
DYSON TECHNOLOGY LIMITED 2,998,696
DYSON TECHNOLOGY LIMITED 2,998,702
DYSON TECHNOLOGY LIMITED 3,003,976
DYSON, JACOB 3,003,976
EAPEN, ANIL 2,990,570
EASTMAN, KYLE J. 2,991,464
EASTMAN, KYLE J. 2,994,791
EASTMAN, KYLE J. 2,995,099
EATON INTELLIGENT POWER LIMITED 3,003,553
EAVRI, RONEN 3,004,521
EAVRI, RONEN 3,004,524
EBANKS, SHAUNA 3,004,713
EBERHARDSTEINER, LUKAS 2,990,022
EBRAHIMI, VAHID 3,004,328
ECCLES, CHRISTOPHER 2,997,677
ECO'RING 3,004,616
ECOLAB USA INC. 2,990,554
ECOLAB USA INC. 3,004,295
ECOLAB USA INC. 3,004,336
ECOLE NATIONALE VETERINAIRE 3,004,192
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE 2,998,066
EDELMAN, LUCAS BRANDON 2,989,976
EDER, JORG 2,990,764
EDGAR, BARAK 2,987,198
EDWARDS LIFESCIENCES CORPORATION 3,004,602
EDWARDS, MATTHEW JOHN 2,996,635
EDWIN, LIONEL E. 3,004,271
EDWIN, LIONEL E. 3,004,278
EELTEE, HENRIK 2,995,515
EFRAT, TOMER 3,003,979
EFTEKHARI, AMIR R. 3,004,284
EHASHI, YUIKO 3,004,286
EICHORN, COURTNEY ELAINE 3,004,090
EIDGENOSSISCHE TECHNISCHE HOCHSCHULE ZURICH 3,004,382
EIERHOFF, DIRK 3,004,781
EIJSMAN, LEON 2,989,540
EILBRACHT, CHRISTIAN 3,004,188
EINI, MEIR 2,995,794
EISAI R&D MANAGEMENT CO., LTD. 3,004,623
EISENFRATS, KEVIN SIMON 3,004,745
EISSA, RANIA HAMDI 2,994,616
EKEMARK, SVEN 2,997,905
EKMAN, JAAKKO 2,995,022
EL-NAAS, MUFTAH 2,995,643
EL-NAAS, MUFTAH 2,995,646
ELDOLAB HOLDING B.V. 2,984,887
ELEMENTS S.R.L. 2,994,513
ELGHARIB, MOHAMED ABDELAZIZ A MOHAMED 2,994,514
ELI LILLY AND COMPANY 3,003,911
ELI LILLY AND COMPANY 3,003,914
ELIA, LIRON 2,994,366
ELIEZER KRAUSZ INDUSTRIAL DEVELOPMENT LTD. 2,996,082
ELLIOTT, RONALD P. 2,998,001
ELLIPTICAL THERAPEUTICS, LLC 3,004,364
ELSON, CHRISTOPHER JOHN 2,998,273
EMBODY ORTHOPAEDIC LIMITED 3,004,404
EMBODY ORTHOPAEDIC LIMITED 3,004,406
EMBODY ORTHOPAEDIC LIMITED 3,004,409
EMMANUEL, NANTHAKUMAR VICTOR 3,004,329
EMMERSON, GREGORY DANIEL 2,994,501
EMOPTI, INC. 3,004,601
ENCYCLE THERAPEUTICS, INC. 3,004,641
ENCYCLE THERAPEUTICS, INC. 3,004,714
ENDO ARRIAGADA, ALVARO ENRIQUE 3,004,131
ENDO, ATSUSHI 3,004,623
ENDOSPAN LTD. 3,004,821
ENEV, MIROSLAV 3,004,832
ENGEL, ANDREA 3,004,615
ENGELBERG, ALEX BENJAMIN 2,998,295

ENGELEN, STEVEN 3,004,624
ENGERT, STEPHEN DAVID 2,993,896
ENI S.P.A. 2,993,913
ENI S.P.A. 3,004,472
ENICKL, JORGEN 3,003,910
ENNETT-SHEPARD, ALESSANDRA B. 3,003,914
ENSCO SERVICES LIMITED 2,996,388
ENSOL BIOSCIENCES INC. 2,992,971
ENWAVE CORPORATION 3,001,046
EOFF, LARRY STEVEN 3,004,403
EPIC SCIENCES, INC. 3,004,150
EPIGENETICS LTD 3,003,982
ERDEI, CSABA 2,996,102
EREMINA, OLGA 2,994,508
EREMINA, OLGA 2,994,511
ERGANG, NICHOLAS 3,004,295
ERICKSON, ROBERT 3,004,782
ERICSSON, OLOF JOHN 2,993,914
ERIKSSON, ERIK 3,004,181
ERIKSSON, ERIK 3,004,662
ERIKSSON, JAN 3,004,477
ERNI PRODUCTION GMBH & CO. KG 2,996,227
ERNST, ANDREAS 2,996,918
ESCALONA, OMAR JACINTO 2,993,759
ESCOBAR, MARC VENDRELL 3,003,955
ESCOBAR, MARC VENDRELL 3,003,964
ESHEL, YOCHAY SHLOMO 2,998,829
ESMIEU, WILLIAM RAMESH 2,991,273
ESPE, EIRIK 2,997,901
ESSILOR INTERNATIONAL 3,003,980
ETABLISSEMENT FRANCAIS DU SANG 2,998,057
ETHICON, INC. 3,004,272
ETHICON, INC. 3,004,521
ETHICON, INC. 3,004,524
ETHRIDGE, ANDREW DAVID 3,004,049
EURECAT S.A 3,004,616
EURO-CELTIQUE S.A. 2,994,103
EURO-CELTIQUE S.A. 2,994,109
EVANS, CHARLES RODNEY GREENAWAY 3,004,191
EVANS, CHRISTOPHER M. 3,004,316
EVARTS, JERRY 2,991,096
EVOLVA SA 2,996,025
EVOLVA SA 2,996,028
EVONIK DEGUSSA GMBH 3,004,188
EVONIK TECHNOCHEMIE GMBH 3,004,615
EWERT, STEFAN 2,990,764
EWOS INNOVATION AS 2,997,521
EXACT IMAGING, INC. 3,004,657
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,086
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,293
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,298
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,303
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,308
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,316
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,320
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,322
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,324
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,330
EXXONMOBIL CHEMICAL PATENTS INC. 3,004,332
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,004,068
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,004,156
EYEWAY VISION LTD. 2,997,086
F. HOFFMANN-LA ROCHE AG 3,002,886
F. HOFFMANN-LA ROCHE AG 3,004,199
F. HOFFMANN-LA ROCHE AG 3,004,799
F2G LIMITED 2,991,684
FABER, BEN 3,004,081
FABIEN, SIMON 3,004,825
FACC AG 2,998,192
FAHIMA, MOSHE 2,986,527
FAHIMA, MOSHE 2,987,183
FAHIMA, MOSHE 2,987,198
FAHRINGER, ALBERT 2,982,798
FAINGOLD, OMRI 3,004,521
FAINGOLD, OMRI 3,004,524
FAIRMOUNT SANTROL INC. 3,004,312
FAIRMOUNT SANTROL INC. 3,004,315
FAIRWEATHER, ALAN 2,996,785
FAIVELEY TRANSPORT TOURS 2,992,837
FALCONE-POTTS, SUSAN K. 3,004,207
FALLAHMOHAMMADI, EHSAN 3,004,473
FALLGREN, PAUL 3,003,464
FANG, HSIAO-PING 2,994,217
FANG, MIN 2,998,871
FANGET, ALAIN 3,004,694
FAOTTO, UGO 2,994,513
FARGIN, EVELYNE 3,004,817
FARHADIROUSHAN, MAHMOUD 2,994,208
FARHAT, LAWRENCE 3,004,489
FARKAS, JULIUS 3,004,122
FARKAS, JULIUS 3,004,154
FARLEY, MARK 2,992,952
FARRER, BRIAN T. 3,004,492
FAUCHER, NICOLAS ERIC 2,998,705
FEBBO, FRANCO 2,995,085
FEBUS OPTICS 3,004,394
FEDELE, PASQUALE 3,001,961
FEDERAL-MOGUL MOTORPARTS LLC 3,004,314
FEDERAL-MOGUL MOTORPARTS LLC 3,004,317
FEE, LILY LEUNG 3,004,782
FEGER, DAMIEN 2,986,189
FEIRE, ADAM LLOYD 2,995,795
FELISA, GIUSEPPE 2,998,710
FELIZ MATOS, LEANDRO EDGARDO 3,004,376
FEMTOGENIX LIMITED 2,996,406
FEMTONICS KFT 2,994,903
FENG, CHAOYANG 2,999,904
FENG, YING 3,003,422
FENIX ADVANCED TECHNOLOGIES, LIMITED 3,004,430
FERAILLE, THIERRY 2,990,175
FERAUD, BENJAMIN 2,998,054
FERENC, STEPHEN DANIEL 3,004,591
FERGUSON, ANDREW M. 2,995,151
FERLAZZO, MELANIE 2,994,914
FERNANDES, BOSCO 2,993,137
FERNANDEZ, JOSE ALONSO 2,985,959
FERRANDO, PATRIZIA 3,004,247
FERRANTE, CATHERINE 3,004,117
FERRANTE, CATHERINE 3,004,134
FERRANTE, CATHERINE 3,004,138
FERRIER, DAVID 2,991,677
FEW, SIMON 2,995,424
FIELD, DANIEL W. 2,994,364
FINFER, DANIEL 2,994,208
FINNEMORE, DANIEL JOHN 2,995,902
FINNEMORE, DANIEL JOHN 2,995,909
FINNERTY, JACK 3,004,620
FIORETTI, DANIELE 2,998,710
FIRESTONE BUILDING PRODUCTS CO., LLC 3,004,525
FIRST HEALTHCARE COMPLIANCE, LLC 3,004,309
FIRST QUALITY NONWOVENS, INC. 3,004,619
FIRTH, PHILIP MALCOLM 2,998,010
FISCHER, DAVID 2,996,025
FISCHER, DAVID 2,996,028
FISCHER, DOMINIK 2,995,656
FISCHER, TIMOTHY 3,004,601
FISCHER, WALTER 2,996,373
FISHER, BART A. 3,004,514
FISHER, DAVID 2,990,997
FISHER, DAVID E. 3,004,425
FISMEN, BRITTA 2,989,775
FITCH, ALISTAIR 2,989,515
FITZBIONICS LIMITED 2,993,139
FITZPATRICK, NOEL 2,993,139
FITZSIMMONS, KAREN C. 3,004,747
FIVE PRIME THERAPEUTICS, INC. 3,004,794
FJAELLSKOG, MARIE-LOUISE 2,991,857
FJELDHEIM, IVAR 3,004,014
FJELDHEIM, IVAR 3,004,208
FJELDHEIM, IVAR 3,004,533
FLAK LIMITED 2,996,471
FLEMING, JONATHAN 3,004,761
FLEXIBLE STEEL LACING COMPANY 3,004,840
FLEXIWAGGON AB 3,004,477
FLEXSTEEL PIPELINE TECHNOLOGIES, INC. 3,004,049
FLIK, GUNNAR 3,001,981
FLO, RUNE 2,997,901

FLOOD, LAWRENCE 3,004,178
FLOYD, BRIAN LEE 3,004,483
FM MARKETING GMBH 3,004,516
FM MARKETING GMBH 3,004,519
FOAMIX PHARMACEUTICALS LTD. 2,995,794
FOKS, NATHAN 2,994,789
FONCY, JULIE 3,000,291
FONSECA FERREIRA DA SILVA, RUI PEDRO 2,995,433
FONTEYN, DIRK 3,004,151
FORAY, NICOLAS 2,993,871
FORAY, NICOLAS 2,994,914
FORBUS, THOMAS REGINALD 3,004,788
FORMAN, STEPHEN J. 3,004,299
FORMAN, STEPHEN J. 3,004,306
FORNONI, GIANLUIGI 2,997,238
FORRESTAL, DAVID PETER 3,004,109
FORSBOM, JAN 2,996,089
FOSMER, ARLENE M 3,004,176
FOSTER, JOHN 3,002,886
FOTHERGILL, ALAN 3,003,958
FOURNET, ARNAUD 2,990,175
FOWLER, DREW A. 3,004,706
FOXON, STEVE 2,993,501
FRADIN, OLIVIER 2,993,488
FRAMATOME GMBH 3,004,353
FRANCA, MARCOS PINI 3,003,595
FRANCHET, JEAN-MICHEL PATRICK MAURICE 3,004,391
FRANCHI, ALESSANDRO 3,003,993
FRANCIS, CHRISTOPHER JOHN 2,994,910
FRANCIS, MARK JONATHAN 2,991,845
FRANCIS, W. LOREN 3,004,526
FRANCK, JAN 2,982,419
FRANCOIS, EDOUARD 3,004,793
FRANCOIS, JEAN-MARIE 3,000,291
FRANJIC, KRESIMIR 2,991,198
FRANKE, SANDRA 2,997,308
FRANZ, SERGEJ 3,004,805
FRANZONI, LUIGI 3,004,860
FRASER, ANTHONY HENRY JOSEPH 2,992,817
FRASER, GORDON GERALD DONALD 3,004,164
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,997,308
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,004,363
FREE FORM FACTORY INC. 3,004,321
FREEDMAN, ALIX MICHAEL 3,004,739
FREITAG, NICOLE 3,004,781
FREIZUS, NATALY 3,004,521
FREIZUS, NATALY 3,004,524
FRENNE, MATTIAS 3,004,405
FRESENIUS KABI ONCOLOGY LTD. 2,996,258
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,004,193
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,004,461
FRIEH, MICHAEL 2,995,331
FRIEH, MICHAEL 2,995,333
FRIEL, MICHAEL 3,004,674
FRIES4ALL B.V. 2,989,540
FRIJLINK, HENDERIK WILLEM 3,001,981
FRODSHAM, MICHAEL 3,002,493
FU, RICHARD 3,004,336
FUGRO TECHNOLOGY B.V. 2,997,208
FUJIEDA, YUKA 3,004,257
FUJIFILM SONOSITE, INC. 3,004,354
FUJIFILM SONOSITE, INC. 3,004,356
FUJIKURA LTD. 3,004,845
FUJITA, SHINYA 2,995,053
FULPER, LESTER DAVID 3,004,302
FUMEY, WILLIAM 3,004,792
FUNDACION DEL SECTOR PUBLICO ESTATAL CENTRO NACIONAL DE INVESTIGACIONES ONCOLOGICAS CARLOS III (F.S.P. CNIO) 2,996,233
FUNDACION INSTITUTO DE INVESTIGACION SANITARIA FUNDACION JIMENEZ DIAZ 3,004,171
FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL DE LA PRINCESA 2,995,021
FUSSL, JOSEF 2,990,022
G.E. LEBLANC INC. 2,993,906
GABRIS, PETER 2,996,488
GACHISOFT INC. 2,989,287
GADE, NAGIREDDY 2,989,187
GAGEZ, ANNE-LAURE 2,988,781
GAGGIONE SAS 2,993,490
GAJ-JABLONSKI, WOJCLECH 2,997,102
GALAPAGOS NV 2,991,273
GALE, TIMOTHY JOHN 3,004,643
GALECTO BIOTECH AB 3,004,632
GALETTO, ROMAN 3,004,171
GALINSKI, JOHN 2,996,256
GALLANT, MICHEL 2,988,680
GALLASCH, CLAUDIO 3,004,365
GALLEGOS, LISA 3,004,504
GALLIEN, RENE 2,995,428
GALLOWAY, JAMES 3,004,521
GALLOWAY, JAMES 3,004,524
GALVANI BIOELECTRONICS LIMITED 2,996,252
GALVIN, GABRIAL M. 3,004,275
GAMASTECH S.R.L. 2,994,058
GAMBLE, RICHARD 2,997,174
GAMBLE, RICHARD 2,998,722
GANAPATHIRAJU, ARAVIND 3,004,700
GANAPATHY, RAVI 2,989,187
GANDEMO, TOMAS 3,004,355
GANNON, GARY 2,996,256
GANSER, CHRISTOPHER 3,004,007
GANTRY RAILING LTD 2,993,896
GAO, CHENG 3,004,142
GAO, HONGLEI 2,998,871
GAO, HUA-XIN 2,994,790
GAO, HUA-XIN 2,994,910
GAO, SHIWEI 3,004,405
GAO, YUANGANG 2,989,846
GARATE MUTILOA, ZITA MAITE 3,004,171
GARBAS, JENS-UWE 2,996,918
GARBAY, GUILLAUME 2,994,246
GARCIA RIVAS, GERARDO DE JESUS 2,998,291
GARCIA, FREDERIC 2,998,440
GARDNER, ANDREW 2,982,431
GARDNER, ANDREW 2,984,465
GARIN ROTONDARO, INAKI JOSE 2,992,682
GARVEY, GRAEME S. 3,004,752
GARVIN, ROY 2,997,681
GAS EXPANSION MOTORS LIMITED 2,995,424
GAS MEASUREMENT INSTRUMENTS LIMITED 2,991,299
GASCHINO, PAOLO 2,991,854
GASKIN, GRAHAM 2,993,160
GASSECURE AS 2,989,775
GASTEL, PHILIPP 3,004,380
GATARD, EMMANUEL 2,986,053
GATES CORPORATION 3,003,879
GATLAND, ALICE ELIZABETH 2,995,902
GATLAND, ALICE ELIZABETH 2,995,909
GAUDRIAULT, GEORGES 3,004,849
GAUHAROU, FRANCOIS 2,998,440
GAVRIN, LORI KRIM 2,995,153
GAVRIN, LORI KRIM 2,996,389
GAWRACKZYNSKI, JAKUB HENRYK 2,998,293
GAYLE, SOPHIA 3,004,636
GAZZANI, MATTEO 3,004,186
GE JENBACHER GMBH & CO OG 2,982,798
GE JENBACHER GMBH & CO OG 3,004,162
GE LIGHTING SOLUTIONS, LLC 2,998,871
GE LIGHTING SOLUTIONS, LLC 3,004,325
GEA TDS GMBH 3,004,119
GEARHART, NICHOLAS C. 3,004,623
GEBKE, KEVIN J. 3,004,141
GEBO PACKAGING SOLUTIONS FRANCE 2,995,876
GEDIN, PATRICE 2,998,054
GEICO SPA 2,996,394
GEICO SPA 2,996,442
GELLINER LIMITED 2,994,896
GENENTECH, INC. 3,004,348
GENERAL CABLE TECHNOLOGIES CORPORATION 3,004,844

GENERAL ELECTRIC TECHNOLOGY GMBH 3,004,694
GENERAL MILLS, INC. 3,004,782
GENOMEFRONTIER THERAPEUTICS, INC. 3,004,665
GEORGE, OLIVIER 3,004,366
GERARD, BAUDOUIN 3,004,623
GERBER TECHNOLOGY, INC. 3,004,106
GERBER, GEORG 3,003,908
GERDES, JOSEPH CHRISTIAN 3,004,051
GERGES, IRINI 2,997,384
GERMANAUD, LAURENT 2,997,494
GERSTNER, RAIMUND 3,003,595
GERVAIS, THAN MARC-ERIC 2,989,785
GERVAIS, THAN MARC-ERIC 2,992,930
GETTO, ANDREW 3,004,518
GEUMEZ, GILLES JEAN 3,004,784
GEYER, CHRISTOPHER 3,004,711
GFESSER, GREGORY A. 2,991,273
GHARAT, LAXMIKANT ATMARAM 2,993,304
GHODDUSI, MAJID 3,004,794
GHOSH, SHOMIR 3,004,747
GHOSH, SHOMIR 3,004,796
GHOSH, SHOMIR 3,004,798
GHOSH, SOUMYAJIT 2,998,830
GHST WORLD INC. 3,004,682
GIBER, JANOS 2,998,822
GIBSON, PAUL 2,986,657
GIBSON, SARAH PAIGE 3,004,262
GIESE, WILLIAM 3,004,726
GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH 3,004,123
GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH 3,004,124
GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH 3,004,125
GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH 3,004,778
GILEAD APOLLO, LLC 3,004,747
GILEAD APOLLO, LLC 3,004,796
GILEAD APOLLO, LLC 3,004,798
GILEWSKI, TOMASZ EDWARD 2,998,293
GILL, SAAR 3,004,053
GILLARD, JAMES 3,004,641
GILLARD, JAMES 3,004,714
GILLISSEN, MARIJN ALETTA 2,989,551
GIORDANO, DARIO 3,004,247
GIOVANNINI, CRISTIAN 3,004,860
GIRAUDON, PATRICK 2,993,092
GIROUD, PASCAL 2,997,996
GIVENS, RICHARD 3,003,720
GJERDEVIK, OYSTEIN 3,004,208
GLASSTECH, INC. 3,003,717
GLASSTECH, INC. 3,003,901
GLAVIN, GEORGE 3,004,290
GLAXO GROUP LIMITED 2,993,288
GLAXOSMITHKLINE BIOLOGICALS SA 2,994,790
GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC 3,004,746
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,990,474
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,993,753
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,993,758
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,996,088
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,998,705
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 3,004,492
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,988,373
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,988,374
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,990,335
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,994,635
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,994,910
GLENDENNING, CRAIG 3,004,467
GLENDINNING, ANDREW 2,991,299
GLENMARK PHARMACEUTICALS S.A. 2,993,304
GLINSKY, CHAD PHILLIP 2,997,182
GLOBAL MEDISAFE HOLDINGS LTD 3,004,771
GLOBAL SPECIMEN SOLUTIONS, INC. 3,003,885
GLOBAL SPECIMEN SOLUTIONS, INC. 3,004,479
GLOBALQUIMICA A.I. C.A 2,999,615
GLOVER, ROBERT 2,997,514
GLOZMAN, SABINA 2,995,429
GLUCK, DAN 2,998,829
GNADINGER, OSCAR MIGUEL 2,992,682
GNAPPA, MAURIZIO 3,004,379
GODFREY, JOHN 3,004,667
GODIL, HASRAT 3,004,098
GOEBEL, ERIK SCOTT 3,003,397
GOEL, KARNIKA 3,004,511
GOFFARD, NICOLAS 2,993,142
GOFFE, RANDAL A. 3,004,079
GOJARA 3,004,779
GOLDBERG, JOEL ADAM 2,995,153
GOLDMAN SACHS & CO. LLC 2,994,055
GOLDMAN, DANIEL 3,004,350
GOLDSTEIN, DAVID 3,004,536
GOLEBIOWSKI, ADAM A. 2,997,382
GOLLAN, TAL 3,004,513
GOLLAPUDI, SRIKANT 3,004,003
GOLLER, HANS PETTER 3,004,809
GOMEZ DE LA OLIVA, CRISTINA ANA 2,996,233
GOMEZ-MARTINEZ, JULIEN 2,998,057
GONDRALA, PAVAN KUMAR 2,997,531
GONZALEZ JIMENEZ, INES DACIL 2,988,392
GONZALEZ, JUAN M. 3,004,722
GONZALEZ, JUAN M. 3,004,737
GONZALEZ, JUAN M. 3,004,740
GONZENBAUCH, URS T. 2,997,520
GOODMAN, JAMES 2,993,279
GOOGLE LLC 3,004,633
GORAWARA, JAYANT K. 3,004,459
GORDEYEV, SERGEY 3,004,816
GORDON, RAPHAEL 2,992,949
GORDON, THOMAS A. 3,004,106
GORDON-KAMM, WILLIAM JAMES 3,004,056
GORE, ASA 2,994,916
GORE, VINAYAK 2,998,830
GORILOVSKY, DMITRY 2,997,119
GOSSNER, MATTHAUS 3,004,385
GOTE, GANESH NAVINCHANDRA 2,996,263
GOTTSTEIN, THOMAS 3,004,615
GOUBLE, AGNES 3,004,171
GOUSSEAU, GEORGES 2,997,996
GOYON, ANNABELLE 2,997,602
GRAHAM, LEWIS 3,004,396
GRAHAM, SUSAN 3,004,514
GRAIS, LINDA S. 3,004,331
GRAMPASSI, ENRICO 2,993,130
GRANKA, JULIE M. 2,991,230
GRANROTH, MARTEN NILS RICKARD 3,004,129
GRANT, GEORGE 2,988,657
GRANT, GEORGE 2,988,686
GRANT, GEORGE 2,988,695
GRAOVAC, MILAN 3,004,649
GRAPHENEST, S.A. 2,995,433
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,004,182
GRASSO, BARTON D. 2,996,388
GRATSIAS, SPIROS 3,004,474
GRAVELLE, LISE 3,004,632
GRAVES, III, ALAN PETERSON 2,990,474
GREBENKAMPER, KAI 3,004,505

GREE ELECTRIC APPLIANCES,INC.OF ZHUHAI 3,004,143
GREEN, GUERRY F. 3,004,456
GREENBERG, BORIS 2,997,086
GREENBONE ORTHO S.R.L. 2,994,049
GREENE, NANCY M. 2,985,299
GREENWOOD, JEREMY ROBERT 3,004,747
GREENWOOD, JEREMY ROBERT 3,004,796
GREENWOOD, JEREMY ROBERT 3,004,798
GREINER BIO-ONE GMBH 2,996,056
GRENZEBACH MASCHINENBAU GMBH 2,994,734
GRENZEBACH MASCHINENBAU GMBH 2,994,764
GRESTENBERGER, GEORG 3,004,383
GRESZLER, STEPHEN N. 2,991,273
GRIEPENSTROH, SEBASTIAN 2,985,018
GRIES, GERHARD J. 3,004,090
GRIFFITH, NATHAN C. 3,004,443
GRIFFITH, NATHAN C. 3,004,447
GRIFFITHS, GRAHAM 3,004,107
GRIFFITHS-JONES, CHARLOTTE MARY 2,988,373
GRINSVEN VAN, BART ROBERT NICOLAAS 3,004,786
GRIZOT, SYLVESTRE 3,004,849
GROCHALA, WOJCIECH RAFAL 2,998,293
GROSS, GABRIELE 3,004,062
GROSSEGGER, DANIEL 2,990,022
GROSSMAN, JAMES 2,994,364
GROTHE, HINRICH 2,990,022
GROTHOFF, AXEL 3,004,806
GROVER, LIAM MICHAEL 2,990,326
GRUDIN, OLEG 3,004,445
GRUETZNER, THOMAS 3,004,503
GRUMPE, HEINZ-ULRICH 3,004,781
GRUTER, GERARDUS JOHANNES MARIA 2,990,580
GRUTER, GERARDUS JOHANNES MARIA 2,990,588
GRUTER, GERARDUS JOHANNES MARIA 2,995,560
GTM-ADVANCED PRODUCTS B.V. 2,998,714
GUAN, BEN 3,004,693
GUAN, YUNFENG 3,004,650
GUAN, ZHICHUAN 3,004,693
GUARDADO-CALVO, PABLO 2,988,499
GUDIMETLA, DHARMENDRA 3,004,345
GUENAIS, MIKAEL 2,990,763
GUERBET 3,004,808
GUERREIRO, NELSON 2,991,715
GUERRY, PATRICIA 3,004,305
GUICHEUX, JEROME 3,004,192
GUILLAUD, XAVIER 2,994,372
GUILLEMOT, FRANCOIS 2,995,345
GUIMIOT, YVES 2,989,785
GUIMIOT, YVES 2,992,930
GUISOT, NICOLAS 2,998,796
GUJRAL, CHIRAG 3,004,381
GULDOGAN, OLCAY 2,994,511
GULLBERG, DANIEL 2,992,973
GUMERY, PIERRE-YVES 2,995,343
GUNASEKERA, KANCHANA 2,997,277
GUNASINGHE, CHAMIKA 2,997,277
GUNNERUD, VIDAR 3,004,157
GUNNINK, JAN WILLEM 2,998,714
GUNNINK, SIMON 2,998,714
GUO, JILONG 2,989,841
GUO, JINHAI 2,981,869
GUO, LEI 2,983,925
GUO, WENPING 2,981,869
GUO, WENYAN 3,004,374
GUO, XIN 3,003,937
GUO, XIN 3,003,951
GUO, XIN 3,004,187
GUPTA, ASHUTOSH KUMAR 3,004,420
GUPTA, CHANDAN KUMAR 2,996,258
GUPTA, KAPIL 2,996,635
GUPTA, MANISH 2,996,400
GUPTA, MANISH 2,996,401
GUPTA, MANISH 2,996,402
GUPTA, MANISH 3,004,047
GUPTA, NISHANT RAMNIWASJI 2,991,232
GUPTA, NITIN 2,996,258
GUPTA, RAM 3,004,178
GUPTA, RAMESH CHANDRA 2,997,463
GUPTA, RAMESHCHANDRA 2,997,364
GUPTA, SAMIK 2,993,131
GURU, SANTOSH KUMAR 3,004,534
GURUMALLAPPA, YOGANAND 2,993,131
GUSMEROLI, MARILENA 2,999,425
GUY, GEOFFREY 2,989,779
GUY, GEOFFREY 2,995,927
GW PHARMA LIMITED 2,992,802
GW PHARMA LIMITED 2,995,927
GW RESEARCH LIMITED 2,989,779
GWAK, DAL-YONG 2,994,688
GWENIN, CHRISTOPHER DAVID 2,990,535
GWENIN, CHRISTOPHER DAVID 2,991,183
GYLFASON, KRISTINN B. 2,990,947
GYORI, MARTON G. 3,003,719
H2FUEL CASCADE B.V. 3,004,400
H2FUEL-SYSTEMS B.V. 3,004,393
HA, HONG KI 2,997,396
HA, NAM 2,989,191
HA, ROBERT BAO KIM 3,004,606
HAAG-MOLKENTELLER, CORNELIA C. 3,004,453
HAAKENSON, WILLIAM P., JR. 3,004,747
HADLER, AMELIA 3,004,081
HAFIZOVIC, INES 3,003,966
HAFNER, JENS 3,004,814
HAGI, AKIFUMI 3,004,398
HAHN, DUSTAN 3,004,440
HAID, SIBYLLE 3,004,805
HALABE, VIJAYA 3,004,112
HALDOR TOPSOE A/S 3,004,129
HALL, ANITA J. 3,004,782
HALL, THOMAS JON 2,990,326
HALL-SNYDER, NATHANIEL 3,003,712
HALLIBURTON ENERGY SERVICES, INC. 2,993,913
HALLIBURTON ENERGY SERVICES, INC. 3,003,868
HALLIBURTON ENERGY SERVICES, INC. 3,004,255
HALLIBURTON ENERGY SERVICES, INC. 3,004,260
HALLIBURTON ENERGY SERVICES, INC. 3,004,403
HALLIBURTON ENERGY SERVICES, INC. 3,004,413
HALLIBURTON ENERGY SERVICES, INC. 3,004,604
HALLIBURTON ENERGY SERVICES, INC. 3,004,706
HALLIBURTON ENERGY SERVICES, INC. 3,004,709
HALTTUNEN, SAKARI 2,995,032
HAM, SUNG SEEK 2,988,214
HAMAIN, FREDERIC 2,990,337
HAMEDINGER, THOMAS 3,004,384
HAMIDE, MAKHLOUF 3,004,528
HAMMONS, JOHN LEE 3,004,463
HAMREN, SARAH 2,994,518
HAMRICK, DANIEL R. 3,003,907
HAN, MYUNG JOO 2,998,841
HAN, MYUNG JOO 2,998,877
HAN, SEUNGIL 2,996,389
HAN, YOUNGHUE 2,993,918
HAN, YOUNGHUE 2,993,929
HAN, YOUNGJI 2,996,872
HANDA, VISHAL 2,996,258
HANDLE, FLORIAN 2,990,022
HANDLER, WILLIAM BRADFIELD 3,004,214
HANDS, PHILIP J.W. 2,991,677
HANEKAMP, DAVID A., JR. 3,004,282
HANISCH, MARKUS 3,004,357
HANMI PHARM. CO., LTD. 2,991,107
HANMI PHARM. CO., LTD. 2,999,823
HANNA, COLIN SAMUEL 2,997,679
HANNA, SAMUEL COLIN 2,998,712
HANNEL BUELONI, RENATA 3,004,468
HANSEN, BRIAN G. 3,004,253
HANSEN, ERIC ANTHONY 3,004,531
HANSEN, ERIC ANTHONY 3,004,589
HANSEN, PAL FRANCIS 3,004,699
HANTHORN, JASON J. 3,004,729
HAO, XIUJUAN 3,004,469
HARALDSSON, CHRISTINA 2,992,973
HARANDI, MOHSEN N. 3,004,156
HARDE, RAJENDRA LAXMAN 2,993,304
HARDING, DEBORAH PHYLLIS 2,994,103
HARDING, DEBORAH PHYLLIS 2,994,109
HARDY, JAMES 3,004,428
HARINGER, CHRISTOPH 3,004,200
HARISUTHAN, SUBRAMANIAM 3,004,649

HARKIN, DENIS PAUL 2,989,388
HARKIN, DENIS PAUL 2,993,142
HARRIMAN, GERALDINE C. 3,004,747
HARRIMAN, GERALDINE C. 3,004,796
HARRIMAN, GERALDINE C. 3,004,798
HARRIS, THOMAS 2,997,661
HARRISON, ROBERT MARK 3,004,405
HART, NORTON RICHARD 3,004,302
HARTING ELECTRIC GMBH & CO. KG 2,981,760
HARTING ELECTRIC GMBH & CO. KG 2,981,922
HARTING ELECTRIC GMBH & CO. KG 2,985,018
HARVEY, JOHN 2,989,673
HARVEY, RICHARD W. 3,004,317
HASLETT, CHRISTOPHER 3,003,955
HASLETT, CHRISTOPHER 3,003,964
HASSE, HANS 3,004,503
HASSIEPEN, ULRICH 2,990,764
HATSCH, ANAELLE 2,996,025
HATSCH, ANAELLE 2,996,028
HATTORI, MASANAO 3,000,121
HAUBST, NICOLE 2,996,635
HAUF, REINER 2,988,636
HAUSER, JONAS 3,004,043
HAUSER, JONAS 3,004,044
HAUSER, JONAS 3,004,046
HAVERHALS, LUKE 3,003,904
HAWORTH, BRAD 2,997,514
HAWORTH, DANIEL NICHOLAS 3,004,130
HAY, GARY 3,004,109
HAYAKAWA, YASUYUKI 3,004,286
HAYES, WAYNE CORD 2,991,169
HAYES, WAYNE CORD 2,991,293
HAYTON, CARL MARTIN 2,992,919
HAZEL, PAUL 3,004,803
HAZENBERG, METTE DEBORAH 2,989,551
HAZER GROUP LIMITED 2,996,940
HAZOT, YOHAN 2,995,794
HE, DAZHI 3,004,650
HE, HAIYING 3,004,147
HE, JIE 2,990,547
HEAFITZ, BRUCE 3,004,190
HEALTH CORPORATION OF GALILEE MEDICAL CENTER 3,004,590
HEANLEY, JULIEN 3,004,715
HEARTFELT TECHNOLOGIES LIMITED 2,997,338
HECHT, GIL 2,994,640
HECHT, IRIS 2,991,980
HEDGCOCK, ROBERT 3,004,601
HEDTJARN, MAJ 3,004,799
HEFEEDA, MOHAMED M. 2,994,514
HEFFETER, PETRA 3,004,630
HEFFNER, H. CRAIG 3,004,084
HEFFNER, H. CRAIG 3,004,335
HEFFNER, H. CRAIG 3,004,337
HEGDE, RAVI 2,993,131
HEIGHTMAN, THOMAS DANIEL 2,988,373
HEIGHTMAN, THOMAS DANIEL 2,988,374
HEIJMAN, GERTJAN 2,990,007
HEIM, FRANK 3,004,141
HEIN, JOHN 2,992,817
HEISKANEN, ISTO 2,994,388
HEISKANEN, ISTO 2,995,435
HEISKANEN, ISTO 2,995,437
HEISKANEN, ISTO 2,995,478
HELAL, CHRISTOPHER JOHN 2,989,456
HELAN, RADEK 3,002,593
HELF, GERD 3,003,961
HELMHOLTZ-ZENTRUM FUR INFEKTIONSFORSCHUNG GMBH 3,004,805
HELSING, TORSTEN 3,001,310
HELSINGIN YLIOPISTO 2,996,969
HEMMIG, RENE 2,996,635
HENCK, STEVEN 3,002,886
HENNIGHAN, GARETH 2,986,357
HENRICHS, VOLKER 3,004,357
HENRY, STEPHEN 3,004,107
HENZLER, MAGNUS 2,996,227
HEPTARES THERAPEUTICS LIMITED 2,993,484
HEPTARES THERAPEUTICS LIMITED 2,994,143
HEPTARES THERAPEUTICS LIMITED 2,994,203
HEPWORTH, DAVID 2,996,389
HERBERT, RHYS 3,004,466
HERFURTH, DOMINIK 3,003,928
HERLEV HOSPITAL 2,998,789
HERMBUSCHE, GUNTER 3,004,377
HERNANDEZ BRENES, CARMEN 2,998,291
HERNANDEZ HIGUERAS, ANA ISABEL 2,996,233
HERNANDEZ, MARYLENS 3,004,636
HERNDON, HOWARD 3,003,414
HEROU, JULIEN 2,997,494
HERR, JOHN C. 3,004,745
HERRERO FRESNEDA, MARIA INMACULADA 2,997,665
HERZIG, GEORG 2,995,513
HESSELINK, ALBERTUS THEODORUS 2,996,486
HETERO LABS LTD 2,995,662
HETTICH, RONALD 3,004,452
HI FIDELITY GENETICS LLC 3,004,350
HIBRI, NADI S. 3,004,526
HICKEY, JENNIFER L. 3,004,641
HICKEY, JENNIFER L. 3,004,714
HICKS, GREGORY A. 3,004,283
HIDAKA, KOUSUKE 2,992,700
HIETANIEMI, MATTI 2,995,022
HIFI ENGINEERING INC. 3,004,339
HIGGINS, PETER 3,004,816
HIGH, DONALD R. 3,004,139
HIGH, DONALD R. 3,004,179
HIGH, DONALD R. 3,004,283
HIGH, DONALD R. 3,004,294
HIGH, DONALD R. 3,004,470
HILCKMANN, MARIUS 3,004,626
HILHORST, GERRIT ANTHON RENE 2,989,390
HILL, AXEL 3,004,353
HILL, DONALD 3,004,434
HILL, LAURA 2,989,388
HILL, LAURA A. 2,993,142
HILLIAHO, ESA 3,004,045
HILLIER, STEPHEN JOHN 2,993,160
HILTON, CHRIS 3,004,290
HINOJOSA, CHRISTOPHER 3,004,274
HIRAISHI, KATSUYA 3,004,153
HIROKANE, YOSHIO 3,004,245
HIROKANE, YOSHIO 3,004,252
HIRSCHBERG, JOSEPH 2,989,991
HIRSCHMANN, THOMAS 2,996,373
HIRSON, DESMOND 3,004,356
HISHIKAWA, SATORU 3,004,371
HJORT, ERIK 3,004,355
HOANG, MARC 3,004,168
HOBAEK, THOR CHRISTIAN 2,989,775
HOBLEY, LAURA 2,995,438
HODGES, GREG 2,996,023
HODSON, JONATHAN 3,004,430
HODSON, SIMON 3,004,430
HOENER, MARIUS 3,004,799
HOFKO, BERNHARD 2,990,022
HOGNALAND, INGVAR 3,004,014
HOGNALAND, INGVAR 3,004,208
HOGNALAND, INGVAR 3,004,533
HOLAN, KRISTINA HENKEL 3,004,604
HOLCIM TECHNOLOGY LTD 3,004,824
HOLDEN, DAVID JOHN 3,004,511
HOLDYNSKI, ZBIGNIEW 3,000,156
HOLLAND, TROY VERNON 3,004,158
HOLMES, MICHAEL C. 3,004,349
HOLT, CHARLOTTE 3,004,346
HOLTSCLAW, JEREMY A. 3,004,604
HOLZLEITHNER, FRANZ 3,004,666
HOME TECH INNOVATION, INC 3,004,326
HONG, HYO JEONG 2,988,715
HONG, ZHI 3,004,492
HOOD, JOHN 3,004,297
HOOD, JOHN 3,004,506
HOOS, AXEL 2,994,635
HOPKINS, MARK 2,993,417
HORDE, THEOPHILE 2,998,061
HORIMOTO, TAKAYUKI 3,004,850
HORL, WERNER 3,004,200
HORMES, ANNA-CHRISTINA 3,004,503
HORNEZ, JEAN-CHRISTOPHE 2,985,559
HORNEZ, VINCENT 2,985,559
HOSPODKA, MARKUS 2,990,022
HOSTYN, VANESSA 3,004,624
HOU, YANAN 3,004,370
HOU, YANZHAO 3,003,937
HOU, YANZHAO 3,004,187
HOURI YAFIN, ARNON 2,998,829
HOUZE, GRAHAM CAMPBELL 3,004,164
HOWA, FRANK MATTHEW 3,004,265
HOWARD, DANNY ROLAND, JR. 2,994,918
HOWARD, DANNY, JR. 2,993,908
HOWARD, EDWARD JOHN 3,004,605

HOWARD, LYNSEY 2,990,743
HOWORTH, GRAEME CEDRIC 3,000,896
HOWORTH, MALCOLM CHARLES 3,000,896
HRABAR, MICHAEL GEORGE 3,004,090
HSU, KENNETH C. 3,003,587
HU, BINGSHAN 3,003,951
HU, BINGSHAN 3,004,592
HU, HUAIGANG 3,004,693
HU, QIYUE 3,004,804
HU, TSUNG-CHENG 2,994,217
HU, XIAOPING 2,992,501
HUANG, DANIEL 2,996,635
HUANG, JINYU 3,003,986
HUANG, JINYU 3,004,158
HUANG, LU 3,004,372
HUANG, NANKUN 3,004,284
HUANG, WEI HSUAN 3,004,413
HUANG, YUANCHANG 2,994,217
HUARD, MICHAEL 3,004,518
HUAWEI TECHNOLOGIES CO., LTD. 2,981,869
HUAWEI TECHNOLOGIES CO., LTD. 2,983,925
HUAWEI TECHNOLOGIES CO., LTD. 2,984,657
HUAWEI TECHNOLOGIES CO., LTD. 3,004,775
HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY 3,004,374
HUBBARD, ADRIAN CHRISTOPHER 2,998,273
HUBBARD, PAUL F. 3,004,284
HUBBARD, WADE MONROE, JR. 3,004,074
HUBBARD, WADE MONROE, JR. 3,004,076
HUBBARD, WADE MONROE, JR. 3,004,291
HUBBARD, WADE MONROE, JR. 3,004,304
HUBBARD, WADE MONROE, JR. 3,004,313
HUBBARD, WADE MONROE, JR. 3,004,318
HUBBARD, WADE MONROE, JR. 3,004,463
HUBBELL INCORPORATED 3,004,279
HUBBELL, JEFFREY A. 2,998,066
HUBEI BIO-PHARMACEUTICAL INDUSTRIAL TECHNOLOGICAL INSTITUTE INC. 3,004,372
HUBER, FLORIAN 3,004,244
HUDDERSMAN, KATHERINE 2,998,457
HUDSON, BILLY G. 3,003,405
HUDSON, PETER NOBLE 2,994,616
HUFFMAN, DARIN T. 3,004,782
HUGHES, DAVID 3,004,370
HUHMANN, ANDREAS 2,981,760
HULL, JOHN 3,004,339
HULLEGIEN, ANDREAS HUBERTUS 2,996,837
HULTGREN, ANDERS 3,004,244
HUMANITAS MIRASOLE S.P.A. 3,004,378
HUMANSCALE CORPORATION 3,004,620
HUMANWELL HEALTHCARE (GROUP) CO., LTD. 3,004,372
HUMBERT, PHILIPPE 3,004,531
HUMPHREYS, DUSTIN WAYNE 3,004,345
HUNAN SKYWORLD BIOTECHNOLOGIES CO. 3,004,469
HUNSBERGER, GERALD E. 2,996,252
HUNT, NEIL 3,004,064
HUNTER, EWAN 2,988,673
HUNTER, EWAN 2,988,674
HUNTER, GORDON 3,004,428
HUNTER, TIM H. 3,004,709
HUNTING TITAN, INC. 3,004,837
HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH 3,004,371
HUNTSMAN INTERNATIONAL LLC 3,004,784
HURLEY, WILLIAM 2,994,055
HURTIG, MARK 3,004,849
HUSHEER, SHAMUS 2,997,338
HUSKY INJECTION MOLDING SYSTEMS LTD. 3,004,591
HUYGHE, LEANDER 3,003,969
HUYNH, PHUONG 3,003,882
HWANG, DOO-CHAN 2,992,969
HWANG, DUK SOON 2,992,971
HWANG, RYONG 2,992,409
HWANG, SUNG-HEE 2,997,027
HWANG, TAE HO 2,990,133
HWANG, TAE HO 2,996,120
HYNNA, KAI 3,004,167
HYWEL DAVIES, JOHN 3,004,810
HZPC HOLLAND B.V. 2,991,870
I.D.E. TECHNOLOGIES LTD 3,003,979
I.SYSTEMS AUTOMACAO INDUSTRIAL S.A 2,997,574
I2I PIPELINES LIMITED 2,993,137
IACCINO, LARRY L. 3,004 293
IACCINO, LARRY L. 3,004,298
IACCINO, LARRY L. 3,004,303
IACCINO, LARRY L. 3,004,308
IACCINO, LARRY L. 3,004,316
IACCINO, LARRY L. 3,004,320
IACCINO, LARRY L. 3,004,322
IACCINO, LARRY L. 3,004,324
IACCINO, LARRY L. 3,004,330
IACCINO, LARRY L. 3,004,332
IBEX SARL 3,004,209
IBIRCOM S.A. 2,992,682
IBISVISION LIMITED 3,000,598
ICS ICE CLEANING SYSTEMS S.R.O. 2,996,488
IDDAN, GAVRIEL J. 2,994,366
IDELEVICH, ANNA 3,004,059
IDELEVICH, PAVEL 3,004,059
IDIN LAB, INC. 2,993,145
IGAWA, TOMOYUKI 2,993,423
IGWEMEZIE, JUDE 3,002,270
IHC ENGINEERING BUSINESS LIMITED 2,994,100
IL DONG PHARMACEUTICAL CO., LTD. 2,996,937
ILAC, CRISTIAN M 3,004,189
ILAN, EREZ 3,004,521
ILAN, EREZ 3,004,524
ILIESCU, VLAD 2,996,852
ILINICH, OLEG 3,004,226
ILLANES LOPEZ, SEBASTIAN 2,998,275
ILLINOIS TOOL WORKS INC. 3,004,726
ILLINOIS TOOL WORKS INC. 3,004,749
ILYASHENKO, HELEN 3,004,290
IMAI, KAORU 3,004,398
IMAMURA, TAKESHI 3,004,286
IMMODULON THERAPEUTICS LIMITED 2,990,107
IMMUNE DESIGN CORP. 3,004,132
IMMUNEMED INC. 2,988,715
IMMUNOLOGIK GMBH 2,990,298
IMPERIAL INNOVATIONS LIMITED 2,988,499
INCYTE CORPORATION 3,004,083
INDIVIOR UK LIMITED 2,992,820
INDIZEN OPTICAL TECHNOLOGIES, S.L. 2,985,959
INDOOR.NINJA OU 2,995,515
INDUKURI, ANJANEYARAJU 2,998,830
INDUSTRIE ROLLI ALIMENTARI S.P.A. 2,998,105
INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS 2,997,394
INDYK, PIOTR 2,994,514
ING CORPORATION SPOL. S.R.O 2,996,246
INGALLINERA, TIM 2,991,096
INGEVITY SOUTH CAROLINA, LLC 3,003,919
INNOSPEC LIMITED 2,991,369
INNOVA PATENT GMBH 2,997,633
INOUBLI, RABER 2,993,488
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 2,985,559
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,004,192
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) 2,988,781
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE 2,993,871

INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE 2,994,914
INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON 2,994,372
INSTITUT PASTEUR 2,988,499
INSTITUT POLYTECHNIQUE DE BORDEAUX 2,994,246
INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY 2,998,291
INTELLIGENT DRILLING TOOLS LIMITED 3,004,428
INTERACTIVE INTELLIGENCE GROUP, INC. 3,004,700
INTERCEPT PHARMACEUTICALS, INC. 3,004,275
INTERVENTEK SUBSEA ENGINEERING LIMITED 2,996,228
INTREXON CORPORATION 3,004,742
INTUIT INC. 3,004,282
INTUIT INC. 3,004,284
INVENTIO AG 3,004,628
INVESTEL CAPITAL CORPORATION 3,004,755
INVISTA TECHNOLOGIES S.AR.L. 3,004,064
IONIZINGENERGY LIMITED 3,004,196
IPINCE, MARCEL 3,004,620
IPROOV LIMITED 3,003,550
IRAVANI, REZA 3,004,649
IRIART, NICOLAS 2,990,337
IRON ARMOUR, LLC 3,003,900
ISAACS, ROBERT LESLIE 3,003,553
ISAGRO S.P.A. 2,999,425
ISCAR LTD. 2,994,640
ISHII, NAOKI 2,992,700
ISRAEL AEROSPACE INDUSTRIES LTD. 3,004,529
ITEOS THERAPEUTICS 2,994,917
ITO, TAKEHIKO 3,000,121
ITOCHU CHEMICAL FRONTIER CORPORATION 2,996,485
IVANYTSKYY, OLEG 3,004,354
IVANYTSKYY, OLEG 3,004,356
IVC, BVBA 2,996,024
IVOSEV, GORDANA 2,989,523
IWABUCHI, YOSHIHIKO 3,004,539
IWAMURA, YASUHIRO 3,000,121
IYIGUNDOGDU, ZEYNEP 2,995,924
IZUHARA, DAISUKE 3,004,257
IZUTSU, TADAO 3,004,245
IZUTSU, TADAO 3,004,252
JAASKELAINEN, MIKKO 3,004,260
JACKSON, BRICE AARON 3,004,706
JACKSON, PAUL JOSEPH MARK 2,996,406
JACKSON, WILLIAM J. 3,004,414
JACOBSON, NATAN HAIM 3,004,185
JACOBSSON, FREDRIK 3,003,959
JACQUET, DENIS 2,999,348
JACQUEY, NICOLAS 3,003,495
JADHAV, DILIP 2,993,312
JADHAV, GANESH RAJARAM 2,991,232
JAFFREY, IAN 2,994,902
JAGANNATH, M.R. 2,993,922
JAGASIA, RAVI 3,004,799
JAGER, GERNOT 3,004,384
JALILIAN, SEYED EHSAN 3,004,339
JAMIESON, STUART 2,993,279
JAMISON, DALE E. 3,004,706
JANG, EUN SUNG 2,990,277
JANG, MI YEON 2,995,675
JANG, TAEHO 3,004,197
JANSSEN BIOTECH, INC. 3,004,117
JANSSEN BIOTECH, INC. 3,004,134
JANSSEN BIOTECH, INC. 3,004,138
JANSSEN BIOTECH, INC. 3,004,152
JANSSEN PHARMACEUTICA NV 3,003,962
JANSSEN PHARMACEUTICA NV 3,003,998
JANSSON, RICHARD 3,004,152
JAOUEN, FREDERIC 2,997,616
JARRY, OLIVIER 3,004,481
JASTI, VENKATESWARLU 2,997,956
JAUERT, PETER ALAN 3,004,176
JAUERT, PETER ALAN 3,004,177
JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH 2,996,665
JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH 2,996,666
JE IL PHARMACEUTICAL CO., LTD. 2,990,277
JEAN MASON, BARBARA 3,004,366
JEDDELOH, ANDREW SCOTT 3,004,284
JENKINS, BRENDA 3,004,453
JENKINS, STEPHEN DEREK 2,993,408
JENSEN, MADS AABOE 3,004,799
JENSEN, MICHAEL BECH 3,004,145
JENSEN, ROBERT CHRISTIAN (DECEASED) 3,004,164
JEON, AE JI 2,996,446
JEON, BORAM 2,999,821
JEON, UNGBAE 2,990,133
JEONG, BYEONG-SEON 3,004,595
JEONG, HYE JIN 2,998,703
JEONG, HYE JIN 2,998,704
JEONG, JAE MIN 3,004,696
JEONG, SEONG HEON 3,004,100
JEPPESEN, PER BENDIX 2,997,167
JETTI, RAMAKOTESWARA RAO 2,998,830
JEZEQUEL, PIERRE-YVES 2,994,728
JFE STEEL CORPORATION 3,004,286
JI, TINGFANG 3,004,485
JIA, YONG 2,993,908
JIA, ZHENSHAN 3,004,444
JIANG, QINYAN 3,003,937
JIANG, QINYAN 3,004,187
JIANG, YING-PING 3,004,743
JIANGSU HENGRUI MEDICINE CO., LTD. 3,004,804
JIAO, MINGLI 2,990,547
JIAO, YUENING 3,004,305
JILG, HELMUT 2,995,388
JIMENEZ CUMARE, WILLIAM J. 2,999,615
JIMENEZ, ARMEL 3,003,980
JIMMA, FUMIE 3,004,153
JIN, BINGCHENG 3,004,142
JIN, HOUCONG 3,004,804
JIN, KYLAN 3,003,464
JIN, SONG 3,003,464
JIN, TAO 3,004,797
JING, ALEXANDER JIAOKAI 3,004,122
JING, ALEXANDER JIAOKAI 3,004,154
JINI CO., LTD 2,998,703
JINI CO., LTD. 2,998,704
JO, DAEWOONG 2,993,778
JO, YOUNG-JIN 2,997,272
JODAA HOLM, HELLE 2,997,521
JOE, BO-YOUNG 2,990,277
JOHANNES GUTENBERG-UNIVERSITAT MAINZ 3,004,007
JOHANSEN, IB-RUNE 3,004,523
JOHNES, MICHAEL 2,996,758
JOHNS, BRIAN ALVIN 2,993,753
JOHNS, BRIAN ALVIN 2,993,758
JOHNSON MATTHEY CATALYSTS (GERMANY) GMBH 2,996,373
JOHNSON, HELEN 2,994,103
JOHNSON, HELEN 2,994,109
JOHNSON, LOGAN 3,004,350
JOHNSON, PETER STUART 2,996,268
JOHNSON, PHILLIP J. 3,004,434
JOHNSON, RACHEL LYNN 2,993,913
JOHNSON, SONYA 3,004,476
JONASSEN, TOM 3,004,699
JONCHERAY, THOMAS JULIEN 3,004,784
JONES, BRIAN 2,997,413
JONES, CHRISTOPHER CHARLES RAWLINSON 2,981,650
JONES, DAVID 3,004,381
JONES, DEBORAH 2,997,616
JONES, NATHAN G. 3,004,283
JONES, NICHOLAS 2,992,802
JONES, OWEN THOMAS 2,997,863
JONJIC, STIPAN 2,997,130
JOSEPHSON, DAVE 2,992,522
JOSEPHSON, DAVE 2,992,699
JOSHI, ADVAIT ARUN 2,996,263
JOSHI, PRASHANT 3,004,344
JOSHI, RAJAN LAXMAN 3,004,185
JOSHI, RAJESH 2,998,830
JOSS, LISA 3,004,186
JOSYULA, KANTH 3,004,312
JOSYULA, KANTH 3,004,315
JOUBEAUX, YANNICK 3,003,196
JOUENNE, ERIC 3,004,203
JOUY, BAPTISTE MARIE AUBIN PIERRE 2,997,939
JOYDEEP, MUKHERJEE 3,004,207

JOZWIK, MICHALINA	3,000,156
JUANDI, EVELYN	3,004,415
JUBILANT BIOSYS LIMITED	2,997,531
JUNG, BONG JUN	2,999,821
JUNG, HA JIN	2,989,289
JUNG, HEE KYOUNG	2,990,376
JUNG, HEE KYOUNG	2,992,970
JUNG, HYEI YOON	2,996,937
JUNG, MARKUS	3,004,128
JUNG, SUNG YOUB	2,991,107
JUNG, SUNG-KYU	2,992,969
JUNG, TAE-JIN	2,993,430
JUNKER, STEFAN	3,004,357
JUNUTULA, JAGATH R.	3,004,743
JURCZAKOWSKI, RAFAL ROBERT	2,998,293
JURIK, TOMAS	3,002,593
JUST, BRIAN J.	3,004,752
K-PLAN	2,999,945
K.D. PHARMA BEXBACH GMBH	2,995,558
KADIOGLU, ARAS	2,990,743
KADOW, JOHN F.	2,990,575
KADOW, JOHN F.	2,991,268
KADOW, JOHN F.	2,991,464
KADOW, JOHN F.	2,991,467
KADOW, JOHN F.	2,994,512
KADOW, JOHN F.	2,994,517
KADOW, JOHN F.	2,994,791
KADOW, JOHN F.	2,995,042
KADOW, JOHN F.	2,995,087
KADOW, JOHN F.	2,995,099
KADOW, JOHN F.	2,995,790
KAFAL, ADAM PAUL	3,004,641
KAFAL, ADAM PAUL	3,004,714
KAGAWA, TOMOHIRO	3,004,153
KAIEDA, AKIRA	2,992,700
KAINOTOMIES VERDE KYVIKA LOGIKA PAIXNIDIA AEVE	2,996,878
KAISER, GUNTER	2,993,238
KALAKODIMI, RAJENDRA PRASAD	3,004,311
KALANAD, AYSHA	3,004,003
KALANTAR-ZADEH, KOUROSH	2,989,191
KALCHMAN, LAURENT	2,991,526
KALDOR, STEPHEN W.	3,004,300
KALHAPURE, VAIBHAV MADHUKAR	2,996,263
KAMACHIM FUMITAKA	3,000,237
KAMATA, MAKOTO	2,988,572
KAMBOJ, RAJENDER KUMAR	2,991,232
KAMBOJ, RAJENDER KUMAR	2,996,263
KAMENSHCHIKOV, ILYA	3,004,357
KAMINSKI, RAYMOND	2,994,055
KAMLER, ANNA VLADIMIROVNA	2,994,660
KAN, GUANGMING	2,990,647
KAN, ITTAI	3,004,212
KANADA SONABE, REGINA MIKIE	3,004,623
KANAGALINGAM, SABESHAN	2,993,131
KANE, MARK	3,000,091
KANEKA AMERICAS HOLDING, INC.	3,004,058
KANELLOPOULOS, VASILEIOS	3,004,662
KANG, JAE-HOON	2,996,937
KANG, MIN GYEONG	2,998,312
KANG, SUGJAE	3,004,087
KANG, YONGKOO	2,991,286
KANKKUNEN, JANNE	2,996,811
KANNAN, PALLIPURAM V.	3,004,334
KANOUNI, TOUFIKE	3,004,300
KARABACAK, DEVREZ MEHMET	2,997,208
KARCHE, NAVNATH POPAT	2,991,232
KARJALA, TERESA P.	2,996,291
KARLE, SHAWN MURRAY	2,986,409
KARLIN, MICHAEL JOSEPH	3,004,586
KARLSSON, FILIP	2,993,914
KARPPI, ASKO	2,995,022
KARRI, SURYA BHASKARA REDDY	3,004,068
KARUS THERAPEUTICS LTD	2,995,896
KARUS THERAPEUTICS LTD	2,995,898
KARUS THERAPEUTICS LTD	2,995,902
KARUS THERAPEUTICS LTD	2,995,909
KARUS THERAPEUTICS LTD	2,995,991
KASAGI, JIROTA	3,000,121
KASHIWAYA, TOMOYUKI	3,004,537
KASHTI, TAMAR	2,986,370
KASIBHATLA, SHAILAJA	2,993,908
KASKOWICZ, MATTHEW ALAN	3,004,407
KASPAR, ALEXANDRE	2,994,514
KASSIR, JAMAL	3,004,269
KATONA, GERGELY	2,994,903
KAUFMAN, DAVID	2,994,635
KAUFMANN, NICHOLAS L.	3,004,141
KAWAKUBO, MASAYOSHI	3,004,425
KAWAMOTO, HIROSHI	3,004,120
KAWASAKI, MANABU	2,998,724
KAY, NICOLA	2,996,368
KAYNAN, NOA S.	2,997,130
KAYSER, FRANK	3,004,448
KAZMIERSKI, WIESLAW MIECZYSLAW	2,990,335
KC, SUNIL KUMAR	3,004,297
KC, SUNIL KUMAR	3,004,506
KE, XI	3,004,592
KE, XIAODI	2,983,925
KEACH, DAViD C.	3,004,146
KEANEY, GREGG F.	3,004,623
KEATING, KATHERINE E.	2,993,142
KECHT, JOHANN	3,004,123
KECHT, JOHANN	3,004,124
KECHT, JOHANN	3,004,125
KEDDE, MARTIJN	2,989,551
KEDZLIE, IAIN	3,004,744
KEIFLIN, PIERRE	2,998,865
KEIL, BIRGIT	3,004,360
KEIR, WILLIAM STEVEN	3,004,591
KELLY, JULIAN SHAW	3,004,633
KELLY, RYAN T.	3,004,102
KELSO, BRYAN	2,998,001
KEMIRA OYJ	2,995,022
KEMIRA OYJ	2,995,032
KEMP, NICHOLAS	2,996,097
KENNEDY, DENNIS M.	3,004,423
KENNEDY, DENNIS M.	3,004,424
KENNEDY, RICHARD	2,989,388
KENNEDY, RICHARD	2,993,142
KEPPLER, BERNHARD K.	3,004,630
KERGOAT, MICHELINE R.	2,988,625
KERKIS, IRINA	2,995,429
KERKOUR, GAELLE	2,991,526
KERMANY, AMIR R.	2,991,230
KERN, JOCHEN	3,004,502
KERN, THOMAS	2,989,278
KERN, WOLFGANG	2,997,517
KERNEOS	2,992,025
KERNS, JEFFREY K.	2,988,373
KERNS, JEFFREY K.	2,988,374
KESARWANI, AMIT	2,997,364
KESARWANI, AMIT	2,997,463
KESPRY INC.	3,003,712
KETFI-CHERIF, AHMED	2,997,889
KETHIRI, RAGHAVA REDDY	2,998,705
KEYGENE N.V.	2,996,806
KEYNAN, RITA	2,995,794
KHAIRATKAR-JOSHI, NEELIMA	2,993,304
KHAIRKHAHAN, ALEXANDER K.	3,004,418
KHAN, TALHA HUSSAIN	2,996,263
KHARCHENKO, ANDRIY	2,995,471
KHARPAS, ANIL BALASAHEB	3,003,553
KHATRI, VIKASH	3,004,210
KHATRI, VIKASH	3,004,211
KHDER, YASSER	2,990,764
KHOZAN HOLDINGS INC.	3,004,329
KHOZAN, KAMRAN M.	3,004,329
KIANG, YU-ZHI	3,004,290
KIARIE, ELIJAH G.	3,004,522
KIEST, LARRY W.	3,004,341
KIKUCHI, MOTOYA	3,004,398
KIM, BONG OH	2,993,920
KIM, BONG OH	2,993,923
KIM, BONG OH	2,993,925
KIM, BONG OH	2,993,928
KIM, BONG-OH	2,998,092
KIM, DAEIK DANIEL	3,004,764
KIM, DANIEL H.	3,004,197
KIM, DANIEL H.	3,004,201
KIM, DOHOON	2,993,929
KIM, DONG HYUN	2,998,841
KIM, DONG HYUN	2,998,877
KIM, DONG SIK	2,988,574
KIM, DONG WOO	2,994,230
KIM, DONG WOOK	2,990,807
KIM, EUN SEON	2,990,277
KIM, HADONG	2,995,675
KIM, HAE JIN	2,992,971
KIM, HAN SOO	2,990,807
KIM, HANGEUN	2,999,821
KIM, HOYON	2,989,287
KIM, HYE RIM	2,993,920
KIM, HYE RIM	2,993,923
KIM, HYE RIM	2,993,925

KIM, HYE RIM 2,993,928
KIM, HYE RIM 2,999,821
KIM, HYE WON 2,996,446
KIM, HYE WON 2,998,312
KIM, IL HYANG 2,994,688
KIM, JEONG-MIN 2,990,277
KIM, JI YEONG 2,993,920
KIM, JI YEONG 2,993,923
KIM, JI YEONG 2,993,925
KIM, JI YEONG 2,993,928
KIM, JIN KWAN 2,995,675
KIM, JIN YOUNG 2,999,823
KIM, JONG HO 2,997,396
KIM, JONG HYUN 2,996,446
KIM, JONG HYUN 2,998,312
KIM, JONGHAE 3,004,764
KIM, JOO YOUNG 2,997,097
KIM, JOO YOUNG 2,998,098
KIM, JOSEPH L. 3,003,721
KIM, JUN YOUNG 2,990,582
KIM, JUNG JU 2,992,404
KIM, JUNG KUK 2,991,107
KIM, JUNG-AE 3,004,595
KIM, JUNGMIN 2,991,980
KIM, KYUNG NAM 2,989,289
KIM, KYUNG NAM 2,990,157
KIM, MIN WOO 2,988,715
KIM, MIN-HO 2,992,969
KIM, MIRIAM 3,004,053
KIM, MYEONG-SEOP 2,995,675
KIM, SANG HOON 2,998,092
KIM, SANGWON 2,989,998
KIM, SE YEONG 2,994,230
KIM, SEONG JAE 2,999,821
KIM, SOL 2,998,312
KIM, SUG-BAE 2,997,396
KIM, SUMIN 2,995,675
KIM, SUN KYOUNG 2,992,404
KIM, SUN MI 2,997,396
KIM, SUNG CHUN 2,989,538
KIM, YONG KYOUNG 2,993,145
KIM, YONG-SUNG 2,996,937
KIM, YOON WON 2,988,715
KIM, YOUNG JIN 2,988,715
KIM, YUNTAE 2,993,918
KIM, YUNTAE 2,993,929
KIM, YUNTAE 2,994,688
KIMURA, EIJI 2,988,572
KING'S COLLEGE LONDON 2,993,746
KINSELLA, B. THERESE 2,989,271
KINZE MANUFACTURING, INC. 3,004,440
KIRA, KAZUNOBU 3,004,623
KIRKBRIDE, TANA MARIE 3,004,074
KIRKBRIDE, TANA MARIE 3,004,076
KIRKBRIDE, TANA MARIE 3,004,291
KIRKBRIDE, TANA MARIE 3,004,304
KIRKHAM, ANDREW JOHN 2,993,481
KIRKWOOD, KEITH R. 3,004,084
KIRKWOOD, KEITH R. 3,004,335
KIRTH, RUDOLF 2,993,238
KISSLING, CHRISTIAN 3,004,089
KITZMILLER, BROOKE D. 3,004,264
KLARESKOG, LARS 2,994,796
KLARESKOG, LARS 2,994,798
KLEIN, ANDREAS 3,004,503
KLEIN, GILLES CHARLES CASIMIR 3,004,391
KLEIN, JENS 2,996,028
KLEIN, JEROME A. 3,003,720
KLEIN, THEODORE MITCHELL 3,004,056
KLEINGUETL, KEVIN GREGORY 3,004,706
KLESCZEWSKI, BERT 3,004,385
KLEY, NIKOLAI 3,003,969
KLEYWEGT, MICHAEL 3,004,501
KLEYWEGT, MICHAEL 3,004,507
KLIBANOV, ALEXANDER L. 3,004,745
KLIGER, YOSSEF 2,991,980
KLIMOVICH, DZIYANA NIKOLAEVNA 3,003,897
KLINE, JUSTIN M. 3,004,783
KLIS, NICOLAS 2,990,337
KLOECKNER, WOLF 3,004,384
KLOKE, PHILIPP 2,993,408
KLONOWSKI, THOMAS 2,997,164
KLOSTERMANN, MICHAEL 3,004,188
KLOTZBACH, HARALD 3,003,961
KNAACK, PATRICK 2,997,517
KNAPP GMBH 3,004,618
KNAPP, FRIEDRICH 3,004,618
KNAPP, MARK 2,995,795
KNAUF GIPS KG 3,003,928
KNIESEL, SIMON 2,993,408
KNIGHT, ANNA 3,004,415
KNIGHT, STEVEN DAVID 2,990,474
KNOPF, HANS-PETER 2,996,635
KNOX, JOHN GRAEME 3,003,879
KO, JONG-HEE 2,996,937
KO, MOO SUNG 2,993,918
KOCH, MICHAEL 3,004,795
KOCH, MICHAEL 3,004,802
KODE BIOTECH LIMITED 3,004,107
KOENIG, JOHN R. 2,991,273
KOFLER, GEORG 2,996,056
KOH, KWON SUK 3,004,487
KOHN, ARNIM 3,004,360
KOIZUMI, SHINICHI 3,000,237
KOJIMA, TAKUTO 2,988,572
KOLAJA, ROBERT 3,004,354
KOLAJA, ROBERT 3,004,356
KOLAKOSKI, REBECCA ASHLEY 3,004,483
KOLARI, MARKO 2,995,022
KOLCUN, ADAM 3,004,292
KOLETSCHKA, THOMAS 3,004,711
KONG, SEOGKYOUNG 2,994,797
KONINKLIJKE DOUWE EGBERTS B.V. 2,990,007
KONINKLIJKE DOUWE EGBERTS B.V. 3,004,140
KONNECTRONIX, INC. 3,004,274
KONRADI, ANDREI 3,004,095
KOOB, GEORGE F. 3,004,366
KOPP, MANUEL 2,994,660
KORALEWSKI, ROBERT 2,997,382
KORBOUKH, ILIA 3,004,060
KORCHAGINA, ELENA YURIEVNA 3,004,107
KORDSACHIA, OTHAR 2,998,230
KOREA DISTRICT HEATING ENGINEERING CO., LTD. 2,988,496
KORESAAR, LAURI 2,991,462
KORIPELLY, RAJAMALLESWARAMMA 2,993,131
KORMAN, JOE 3,004,289
KORMAN, JOE 3,004,608
KOROSI, GERGO 2,996,102
KOSTER, SUSAN C. 3,004,603
KOSTER, SUSAN C. 3,004,607
KOSTER, SUSAN C. 3,004,611
KOSTER, SUSAN C. 3,004,625
KOSUB, MIKE 3,004,137
KOTAKE, YOSHIHIKO 3,004,623
KOTECHA, JIGNESH 2,997,364
KOTECHA, JIGNESH 2,997,463
KOTLYAROV, YURY VLADIMIROVICH 2,997,381
KOVACS, STEVEN 2,995,795
KOVACS, ZOLTAN 2,993,483
KOVAR, JEROME 3,004,762
KOVTUN, SERGE 3,004,329
KOWALSKI, MICHAL L. 2,997,382
KOWOL, CHRISTIAN 3,004,630
KRAAIJ, DIRK 2,996,266
KRAEMER, ULRICH 3,004,502
KRAEMER, ULRICH 3,004,515
KRAFT FOODS R&D, INC. 3,004,678
KRAN LIFE SCIENCES LLP 2,992,915
KRASSILNIKOV, ANTON 2,986,518
KRASSILNIKOV, ANTON 2,986,527
KRASSILNIKOV, ANTON 2,987,183
KRASSILNIKOV, ANTON 2,987,195
KRASSILNIKOV, ANTON 2,987,198
KRAUSE, ANDREAS 2,998,230
KRAUSS, ACHIM HANS-PETER 2,989,522
KREILEIN, MATTHEW MICHAEL 3,004,300
KREJSA, CECILE 2,991,096
KRIGSMAN, JOAKIM 3,004,195
KRISHNAN, KARTIK 3,004,794
KRISTAM, RAJENDRA 2,998,705
KROGH, THOMAS NYLANDSTED 3,004,145
KROKER, JOERG 3,004,367
KRONBERG, JAMES W. 3,004,456
KRONESTEDT, FREDRIC 2,997,905
KRONSTEINER, MARTIN 2,998,113
KROON, HARMEN 2,989,390
KROPE, JURIJ 2,997,124
KRUCKENHAUSER, ERICH 2,982,798
KRUMBHOLZ, RUDOLF 2,995,558
KRUPICKA, TYLER THOMAS 3,004,284
KT CORPORATION 2,997,097
KT CORPORATION 2,998,098
KUAN, CHEE MUN 3,004,596
KUBIS, IVAN 2,996,488
KUBOTERA, KATSUAKI 3,004,537
KUDLA, AMELIE 3,003,980

KUEHNE, FRIEDRICH-WILHELM 2,995,659
KUEHNLE, ANDREAS U. 3,003,719
KUFE, DONALD 3,004,597
KUGGE, CHRISTIAN 3,004,244
KUHLMAN, DENNIS EUGENE 3,004,606
KUKAWKA, RAFAL 2,993,634
KUKREJA, VIJAY I. 3,004,345
KULKARNI, BHEEMASHANKAR 2,993,312
KULLMAN, MARCUS 3,004,355
KUMAR, KRISHNA 3,003,465
KUMAR, SANDEEP 2,996,258
KUMAR, VIKAS 3,004,534
KUMAR, VINEET 3,004,152
KUMARA, SAMAN 2,997,277
KUMNICK, PHILLIP 3,003,917
KUNTZE INSTRUMENTS GMBH 2,993,595
KUNTZE, VERENA 2,993,595
KUPHAL, MATHIAS 2,992,819
KUPHAL, MATHIAS 2,992,824
KURHADE, SANJAY PRALHAD 2,991,232
KURUCZ, GABOR 2,993,483
KUSSEROW, MARTIN 3,004,628
KUSTER, HANS-WERNER 3,004,500
KUUSISTO, PETTERI 3,003,581
KUYPERS, FRANCISCUS A. 3,004,078
KWOK, LEO 2,983,241
KWON, EUN-YOUNG 2,996,872
KWON, HYUK SANG 2,996,937
KWON, SE CHANG 2,999,823
KWONG, KEVIN K. 2,996,252
KYM, PHILIP R. 2,991,273
KYOTO UNIVERSITY 3,004,251
KYUNG, KYU JIN 2,993,923
KYUNG, KYU JIN 2,993,925
KYUNG, KYU JIN 2,993,928
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 2,992,791
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE 2,997,158
L. NARAYAN, PRASANNA 3,003,917
L.I.F.E. CORPORATION S.A. 2,994,362
LA ROTA, CARLOS M. 3,004,056
LA VECCHIA, GIUSTINIANO 3,004,682
LAAS, MADIS 2,995,515
LABINSKY, NICKOLAS 3,004,622
LACEY, RAYMOND 2,996,471
LACHAPELLE, ERIK ALPHIE 2,989,456
LACHAUD, PIERRE 2,986,053
LACORTE, ANDREA 2,995,314
LACROIX, YANIK 2,986,657
LADDEN, DOUGLAS M. 3,004,410
LAFAY, ERIC B. 3,003,870
LAGARDE PAJOT, JOSIANE 2,992,417
LAGARDE, PHILIPPE EDOUARD JOSEPH PAUL 2,992,417
LAGERWAARD, CORNELIS ABRAHAM 3,004,155
LAHIRI, SASWATA 2,996,258
LAHTI, THOMAS D. 3,004,726
LAI, CHOUNG-HOUNG 3,004,290
LAI, WENYIH F. 3,004,303
LAI, WENYIH F. 3,004,316
LAI, WENYIH F. 3,004,322
LALIBERTE, BENOIT 3,004,755
LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC 2,997,380
LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC 3,004,228
LAM THERAPEUTICS, INC. 3,004,636
LAMBERS, TEARTSE TIM 3,004,062
LAMBERS, TEARTSE TIM 3,004,722
LAMBERS, TEARTSE TIM 3,004,737
LAMBERS, TEARTSE TIM 3,004,740
LAMELLAR BIOMEDICAL LIMITED 2,990,743
LAMMERS, VOLKER 3,004,382
LAMMI, LARI 3,003,581
LAMMI, LARI 3,004,247
LANDA LABS (2012) LTD 2,986,518
LANDA LABS (2012) LTD 2,986,527
LANDA LABS (2012) LTD. 2,986,370
LANDA LABS (2012) LTD. 2,986,514
LANDA LABS (2012) LTD. 2,992,525
LANDA, BENZION 2,986,370
LANDA, BENZION 2,986,514
LANDA, BENZION 2,986,518
LANDA, BENZION 2,986,527
LANDA, BENZION 2,987,183
LANDA, BENZION 2,987,195
LANDA, BENZION 2,987,198
LANDA, BENZION 2,992,525
LANDAIS, BRUNO 3,004,359
LANDHOLM, KIM 3,003,910
LANDIS+GYR INNOVATIONS, INC. 3,004,773
LANDRETTE, SEAN 3,004,636
LANE, ANDY 3,004,837
LANFANT, NICOLAS PIERRE 3,004,161
LANGFORD, DALE 3,004,837
LANGLE, DANIEL 3,004,480
LANGLOIS, BENOIT 2,995,130
LANGLOIS, OLIVIER 2,997,494
LANGRELL, STEPHEN ARTHUR 2,998,006
LANNFELT, LARS 2,991,856
LANTICQ, VINCENT 3,004,394
LANXESS SOLUTIONS US INC. 3,004,368
LANZ, HENRIETTE LEONORE 2,991,876
LAQMANI-GOFFINET, CHRISTINE 3,004,805
LAROUCHE, FREDERIC 3,003,502
LARSON, RALF 3,004,673
LARSSON, JOHANNA MARIA 2,991,684
LASSIS-LAVY, GUILLAUME 3,004,209
LATAD, SACHIN 2,997,364
LATAD, SACHIN 2,997,463
LATERAL PREP, LLC 3,004,751
LAUBE, REMI 3,004,791
LAUERMANN, EVA 3,004,007
LAURENT, JEAN-YVES 2,994,728
LAURET, JEAN-PIERRE 2,993,490
LAURIN, PIERRE 3,004,509
LAVIGNE HALLA, DANILO 2,997,574
LE BORGNE, MICHEL 3,004,661
LE FLOC'H, JACQUES 3,004,812
LE ROUZIC, JEAN-CLAUDE 2,999,947
LEBORGNE, FLORIAN 2,991,526
LECCACORVI, GIANMARIA 2,993,913
LECLAIR BISSON, DIANE 2,997,734
LEE, ARTHUR 2,995,153
LEE, ARTHUR 2,996,389
LEE, BAE KEUN 2,997,097
LEE, BAE KEUN 2,998,098
LEE, BAEK SEOK 2,992,970
LEE, CHANG GON 2,994,688
LEE, CHANG SIK 2,994,688
LEE, DO KYEONG 2,993,145
LEE, DONG MIN 2,992,404
LEE, DONG WON 2,997,549
LEE, HANCHANG 2,990,277
LEE, HYO HYOUNG 2,990,376
LEE, HYO HYOUNG 2,992,970
LEE, HYUNHO 2,990,277
LEE, JAE YOUNG 2,997,549
LEE, JAEKWANG 2,993,918
LEE, JAEKWANG 2,993,929
LEE, JAEKWANG 2,994,688
LEE, JAEYOUNG 2,994,688
LEE, JE-HYUK 3,004,285
LEE, JI HYE 2,996,446
LEE, JONG SOO 2,999,823
LEE, JONG YOUNG 2,996,291
LEE, KANG 2,998,687
LEE, KANG HYEOK 2,997,549
LEE, KATHERINE LIN 2,996,389
LEE, KI SUNG 2,997,549
LEE, KYOUNG MIN 2,990,376
LEE, KYOUNG MIN 2,992,970
LEE, NAM HEE 2,990,133
LEE, NAM HEE 2,996,120
LEE, SA WON 2,993,920
LEE, SANG-HO 3,004,290
LEE, SEUNG SU 2,999,821
LEE, SEUNG-JOO 3,003,458
LEE, SIU MAN 2,995,320
LEE, SU JIN 2,990,157
LEE, SUNG JE 2,996,268
LEE, TAMMY KEE-WAI 3,004,167
LEE, YEONG MIN 2,996,937
LEE, YOON DOO 2,999,821
LEE, YUN-SANG 3,004,696
LEEMHUIS, MICHAEL CRAIG 3,004,256
LEENHOUTS, ABRAHAM 3,004,505
LEFEVRE, JEAN-MARIE 3,004,531
LEFEVRE, PHILIPPE 2,991,739
LEIDY-DAVIS, TIFFANY 3,004,497
LEIJTEN, EDGAR 2,997,643

LEIT DE MORADEI, SILVANA MARCEL 3,004,747
LEIT DE MORADEI, SILVANA MARCEL 3,004,796
LEIT DE MORADEI, SILVANA MARCEL 3,004,798
LEITH, KATHERINE 3,004,504
LELIVELT, CECILIA LUCIA CLARA 3,004,165
LELIVELT, CECILIA LUCIA CLARA 3,004,169
LELY PATENT N.V. 2,994,686
LELY PATENT N.V. 2,996,261
LELY PATENT N.V. 2,996,262
LELY PATENT N.V. 2,996,264
LELY PATENT N.V. 2,996,265
LELY PATENT N.V. 2,996,266
LELY PATENT N.V. 2,996,495
LEMKE, HARALD 3,003,905
LEMOINE, ROMAIN O.V. 3,004,293
LEMOINE, ROMAIN O.V. 3,004,298
LENDRUM, SHAUN 3,004,295
LEPIFRE, FRANCK F. 2,988,625
LEPPELT, RAINER 2,996,373
LERICHE, ANNE 2,985,559
LESAFFRE ET COMPAGNIE 2,990,171
LESLIE, COLIN 2,997,869
LESTOURNELLE, FRANCK 3,003,980
LESZCZYNSKI, PIOTR 2,998,293
LETTS, JOHN 3,004,525
LEUNG, KEVIN 3,004,330
LEUNG, KEVIN C.P. 3,004,320
LEUNG, KEVIN C.P. 3,004,324
LEVASHOV, ALEXEY 2,994,511
LEVEL 3 COMMUNICATIONS LLC 2,991,664
LEVEL 3 COMMUNICATIONS, LLC 3,004,175
LEVENS COOKING & BAKING SYSTEMS B.V. 2,995,802
LEVEQUE, XAVIER 3,004,192
LEVEY, KENNETH 3,003,924
LEVY, MATTHEW CHASE 2,998,088
LEVY, OFER 2,991,980
LEWANDOWSKI, PIOTR 2,993,634
LEWIS, BRYAN JOHN 3,004,709
LEWIS, MICHAEL DON 2,993,913
LEXMARK INTERNATIONAL, INC. 3,004,180
LEXMARK INTERNATIONAL, INC. 3,004,256
LEZMY, NATALIE 2,998,829
LG CHEM, LTD. 3,004,595
LI, BEIBEI 2,990,547
LI, BO 3,004,644
LI, DANSU 2,994,644
LI, DEMIN 2,996,601
LI, GUOCHUN 2,994,516
LI, HONG XIAN 2,990,376
LI, HONG XIAN 2,992,970
LI, HUIJUN 3,004,469
LI, LIGUO 3,004,370
LI, PENGFEI 3,004,143
LI, RAN 3,003,464
LI, SHAO 2,984,569
LI, TINDY 2,988,373
LI, XIAOLIN 3,004,147
LI, XIONG 2,994,789
LI, YONGXIANG 2,989,191
LI, YUFENG 2,994,910
LI, ZENGJI 2,990,549
LI, ZHENG 3,003,719
LI, ZONGBIN 3,004,147
LIANG, HUI 3,003,937
LIANG, HUI 3,004,187
LIANG, YOUXUAN 3,004,143
LIAO, CHIEN-YI 3,004,663
LIAO, CONG 3,004,783
LIAO, HUALIN 3,004,693
LIBER8TECH HUNGARY KFT. 2,993,483
LICHENSTEIN, HENRI 3,004,636
LICHTENSTEIN, CONRAD PAUL 2,994,506
LIEB, GERALD 3,004,128
LIEBOLD, CLAUDIA 3,004,244
LIEFKE, MELANIE 3,004,615
LIGOZAT, JEROME 3,004,791
LILIENKAMPF, ANNAMARIA HELENA 3,003,955
LILIENKAMPF, ANNAMARIA HELENA 3,003,964
LIM, HYUNG KYU 2,999,823
LIM, KIAN HUAT 3,004,623
LIM, LEE P. 3,004,435
LIM, SEI HIEN 3,004,596
LIM, SWEE KHUAN 3,004,596
LIM, WENDELL A. 3,004,491
LIM, YOUNG HO 2,995,327
LIN, DIANMIN 3,004,319
LIN, TSAI-YU 3,004,132
LIN, YU-SHENG 2,994,217
LINEBERRY, ALLEN 3,004,411
LINGOES, JANETTE VILLALOBOS 3,004,483
LINGOES, JANETTE VILLALOBOS 3,004,606
LINKE-WINNEBECK, CHRISTIAN 3,004,671
LINNANEN, TERO 2,989,265
LINXENS HOLDING 3,004,389
LIPINSKI, STANISLAW 3,000,156
LIQUID VANITY APS 2,997,167
LIQUIDIA TECHNOLOGIES, INC. 3,004,492
LIQUIDWEB S.R.L. 3,001,961
LISKA, ROBERT 2,997,517
LISS, ROBIN 3,004,326
LISTER, ADAM 3,004,667
LITVIN, GILAD 2,988,377
LIU, BAOHUA 2,990,647
LIU, BO 2,991,273
LIU, CHENGUANG 2,990,647
LIU, JUN 3,004,602
LIU, NING 3,004,644
LIU, NING 3,004,650
LIU, SIQI 3,004,142
LIU, XIANG 3,004,623
LIU, XIAOCHEN 2,990,547
LIU, XIUMEI 2,990,547
LIU, YONGWANG 3,004,693
LMK TECHNOLOGIES, LLC 3,004,341
LMK THERMOSAFE LIMITED 2,983,801
LO, JENNIFER A. 3,004,425
LO, WEI-SHUO 2,994,217
LOAEC, GUY 2,999,947
LODGE, JONATHAN 2,993,342
LOMBOIS-BURGER, HELENE 3,004,824
LONG, MARK 2,997,863
LONG, QI 2,998,871
LONGINOTTI-BUITONI, GIANLUIGI 2,994,362
LONZA LTD 3,004,503
LOO, TZE MUN 3,000,237
LOON LAB INC. 2,992,409
LOONEY, DWAYNE 3,004,521
LOONEY, DWAYNE 3,004,524
LOPATA, VICTOR 3,004,445
LORANTFY, LASZLO 2,996,995
LORD, WILIAM T. 3,004,106
LORENZ, DESIREE 3,004,503
LORENZ, HILKE-MARIE 3,004,503
LORIYA, RAJESHKUMAR MAGANLAL 2,996,263
LOUBET, BRUNO 2,989,785
LOUBET, BRUNO 2,992,930
LOUDON, JONATHAN PAUL 3,004,774
LOUVER-LITE LIMITED 2,994,776
LOVASZ, SANDOR 2,998,822
LOVERING, FRANK ELDRIDGE 2,996,389
LOWE, KATHLEEN E. 3,004,367
LOWE, KEITH S. 3,004,056
LOWE, MICHAEL DENNIS 2,995,153
LOXO ONCOLOGY, INC. 2,998,796
LU, CHENFENG 3,004,177
LU, PENSHUN 3,003,951
LU, QIWEI 3,004,122
LU, QIWEI 3,004,154
LU, XINGTAO 3,004,797
LUBCZYNSKI, PETER E. 3,004,282
LUBRIZOL ADVANCED MATERIALS, INC. 3,004,122
LUBRIZOL ADVANCED MATERIALS, INC. 3,004,154
LUCAS, BRYAN CHAPMAN 3,004,709
LUCAS, GREGORY 2,994,441
LUCERO, ANTONIO D. 3,003,870
LUEBKE, CHARLES P. 3,004,459
LUEDTKE, MATTHEW 3,004,336
LUGTIGHEID, GERARDUS WILHELMUS 3,004,393
LUGTIGHEID, GERARDUS WILHELMUS 3,004,400
LUHTALA, MARIA 2,995,032
LUKER, TIM 2,997,868
LUKER, TIM 2,997,869
LUMON INVEST OY 3,004,045
LUMUS LTD 2,992,213
LUND, SUSAN ARENT 3,004,522
LUNDEVALL, MAGNUS 2,997,905
LUNDIN, JOHAN 2,996,969
LUNDIN, JOHN WALTER 3,004,749

LUO, QINGMING 3,004,374
LUO, SONG 2,998,825
LUO, TAO 3,004,485
LUONG, HUNG HUU 3,004,845
LUPIN LIMITED 2,991,232
LUPIN LIMITED 2,993,907
LUPIN LIMITED 2,996,263
LUY, BERNHARD 3,004,789
LV, XIAOHUA 3,004,374
LYDECKER, STEPHEN HAIGHT 2,984,887
LYNCH, CASEY C. 3,004,095
LYONS, DAVID FREDERICK 3,004,051
LYYTIKAINEN, KATJA 2,994,388
LYYTIKAINEN, KATJA 2,995,478
M SQUARED LASERS LIMITED 2,994,507
MA, DONG 2,981,869
MA, JINGWANG 3,004,775
MA, NAIYANG 2,997,582
MAAK, PAL 2,994,903
MACDONALD, DANIEL J. 2,998,295
MACHLENKIN, ARTHUR 2,991,980
MACIEJEWSKI, HIERONIM 2,993,634
MACISAAC, KENZIE 2,991,857
MACK, PATRICK E. 3,003,905
MACKENZIE, COLIN MALCOLM 3,004,761
MACLAREN, ROBERT 2,995,656
MADER, CARL CONRAD 3,003,942
MADERER, ANNETT 3,004,007
MADERNA, ANDREAS 2,994,917
MADRID, GILBERT 3,004,602
MAEDA, ATSUHIKO 2,993,423
MAGES, KENNETH 2,998,295
MAGIC LEAP, INC. 3,004,271
MAGIC LEAP, INC. 3,004,278
MAGIC LEAP, INC. 3,004,319
MAGNY, BENOIT 2,994,622
MAHAJAN, GIRISH 3,004,534
MAHER, JOHN 2,993,746
MAHESHWARI, RICHA 3,004,052
MAHUE, VERONIQUE 2,994,208
MAIER, FERDINAND 3,004,516
MAIER, FERDINAND 3,004,519
MAKADIA, CHETAN M. 3,004,122
MAKADIA, CHETAN M. 3,004,154
MAKER, GARETH THOMAS 2,994,507
MALAGU, KARINE FABIENNE 2,991,273
MALEKA, KYRIAKI 2,984,086
MALI, SANJAY DHONDAPPA 3,003,553
MALMSTROM, LARS JONAS 2,991,684
MALMSTROM, VIVIANNE 2,994,796
MALMSTROM, VIVIANNE 2,994,798
MAMALOHA GMBH 3,004,365
MAMMOTH SPORT LIMITED 3,001,098
MANABE, KOICHIRO 2,998,724
MANCEBO PACHECO, ELVIN ALBERTO 3,004,376
MANCHESTER, JONATHAN RALPH 2,994,100
MANDELBOIM, OFER 2,997,130
MANE, CARINE 3,004,203
MANN, TOBIAS 3,004,527
MANNING, JOSEPH RICHARD HENRY 2,997,377
MANOHAR, MANISH 2,989,187
MANSERGH, JOHN 3,004,336
MANSTEIN, DIETER 3,004,425
MANTEAU, BAPTISTE 3,004,680
MANTELE, WERNER 3,004,363
MANURUNG, SARMAULI 3,004,062
MAPREG 3,004,366
MAQUAIRE, PATRICK 3,004,689
MARABESE, RICCARDO 3,004,621
MARAPRYGSAVAN, PAIBOON 2,995,659
MARAVIGNA, ARTURO 2,994,058
MARCHETTI, ROBERTO 2,994,389
MARCHIN, LOIC 3,004,343
MAREAUX, SEBASTIEN 2,992,837
MARHAYGUE, LLC 3,004,456
MARIGNAC, GENEVIEVE 3,004,531
MARINKOVIC, MILOS 3,004,296
MARION, FREDERIC 3,003,502
MARIS, JOHN M. 3,004,438
MARIYASELVAM, MARYANNE 2,995,568
MARMA, MONG SANO 3,004,060
MARMET, OLIVIER 3,004,209
MARMUR, YANIV 3,004,821
MARONEY, KYLE 3,004,711
MARQUES ABRANTES, VITOR EMANUEL 2,995,433
MARQUEZ LLINAS, JORDI 2,993,410
MARRINUCCI, DENA 3,004,150
MARS, INCORPORATED 2,996,375
MARSH, STEPHEN 2,997,119
MARSHALL, ROBERT J. 3,004,622
MARTELLO, FEDERICO 2,997,384
MARTELLO, GIORGIO 2,996,858
MARTIN BLANCO, RICARD 2,992,819
MARTIN, JAMES 3,004,268
MARTIN, KYLE BRADLEY 3,004,180
MARTINEZ CHANTAR, MARIA LUZ 2,995,079
MARTINEZ GONZALEZ, SONIA 2,996,233
MARTINEZ, PATRICE 2,990,345
MARTINEZ, VLADIMIR C. 3,004,182
MARTUCCI URDANETA, DAVID DE JESUS 2,999,615
MAS INNOVATION (PRIVATE) LIMITED 2,997,277
MASON, MATTHEW 3,004,711
MASSIE, CRAWFORD 2,991,299
MASSOT, AURELIEN RENE-PIERRE 2,996,454
MAST, CHRISTIAN 3,004,137
MASTALIA, CARMINE 2,994,361
MASTERCARD INTERNATIONAL INCORPORATED 3,004,420
MASTERCARD INTERNATIONAL INCORPORATED 3,004,423
MASTERCARD INTERNATIONAL INCORPORATED 3,004,424
MASTERCARD INTERNATIONAL INCORPORATED 3,004,520
MASTERCARD INTERNATIONAL INCORPORATED 3,004,744
MATHIAS, JOHN PAUL 2,996,389
MATHIESON, FRASER 2,991,299
MATHIVANAN, GUHAN 3,004,181
MATHIVANAN, GUHAN 3,004,662
MATHUR, ANOOP 2,997,364
MATHUR, ANOOP 2,997,463
MATOKE HOLDINGS LIMITED 2,990,326
MATSUDA, TAKAHARU 3,004,845
MATSUZAWA, YASUO 2,992,823
MATTER, YVES 2,994,622
MATUSIK, WOJCIECH 2,994,514
MAUSSNER, RANDOLPH 3,004,612
MAVALON THERAPEUTICS LIMITED 3,004,680
MAY, ANDREW PAUL 3,004,757
MAY, ERIC P. 3,004,402
MAYER, STANISLAS 3,004,680
MAYO, GABRIEL ISAAC 3,003,882
MAYR, JOSEF 3,004,630
MAYR, LORENZ M. 2,990,764
MAZEJ, ZORAN 2,998,293
MAZOYER, ETIENNE 2,990,580
MAZOYER, ETIENNE 2,990,588
MAZUR, MARZENA 2,997,382
MAZZARINI, FEDERICO 2,994,216
MAZZOTTI, MARCO 3,004,186
MBI CO., LTD. 2,993,430
MCALPINE, INDRAWAN JAMES 2,994,917
MCALPINE, ROBERT WATSON 3,004,256
MCAULEY, MICHAEL 3,004,467
MCCALLEY, RODNEY 3,004,782
MCCARTHY, STEPHEN JOHN 3,004,156
MCCAVIGAN, ANDRENA 2,989,388
MCCLUSKEY, KEVIN M. 3,004,282
MCCLUSKEY, SEANIN 2,988,657
MCCLUSKEY, SEANIN 2,988,686
MCCLUSKEY, SEANIN 2,988,695
MCDONALD, NEIL ALEXANDER 3,003,955
MCDONALD, NEIL ALEXANDER 3,003,964
MCDORMAN, DAVID L. 3,003,720
MCENEANEY, DAVID JOHN 2,993,759
MCFARLAND, JESSE M. 3,004,584
MCGARIAN TDC LIMITED 2,994,360
MCGARIAN, BRUCE 2,994,360
MCGLONE, JOHN J. 3,004,465
MCGRATH, THERESA 3,004,657
MCGUINNESS, COLIN 2,990,997
MCILVENNA, DAVID 3,004,816
MCINTOSH, RICHARD 2,996,436
MCINTYRE, JOHN F. 3,004,292
MCKAY, BENJAMIN 2,995,560

MCKEE, SHAWN P. 3,004,302
MCKENRY, MICHAEL 3,004,096
MCLAUGHLIN, JAMES 2,993,759
MCLAUGHLIN, MARIE 2,999,696
MCLEAN, ALEC 2,990,743
MCMICHAEL, DONALD 3,004,443
MCMICHAEL, DONALD 3,004,447
MCNICHOLS, COLIN 2,997,182
MCNULTY, KENNETH C. 2,990,474
MCPHEE, CAIT 2,995,438
MEAD, ALICE 2,989,779
MEAD, ROBERT 2,997,865
MEADY, JOSEPH MICHAEL 3,004,279
MEAT & LIVESTOCK AUSTRALIA LIMITED 2,997,661
MECAFLOR 2,996,016
MEDAS, BERTRAND 2,993,093
MEDINCELL 3,004,849
MEDINOXX GMBH 3,004,814
MEDIVATION TECHNOLOGIES LLC 3,003,422
MEDIZINISCHE HOCHSCHULE HANNOVER 3,004,805
MEDIZINISCHE UNIVERSITAT WIEN 3,004,630
MEEHAN, RICHARD JOHN 3,004,133
MEEUSE, FREDERIK MICHIEL 3,004,155
MEEUSE, FREDERIK MICHIEL 3,004,373
MEHER, PRATIKSHA SHIVAJI 3,004,403
MEHL, BENEDIKT 3,004,360
MEHTA, DHAIRYA DILIP 3,004,679
MEHTA, VINAY K. 2,996,273
MEILLE, CHRISTOPHE 2,991,715
MELKKO, SAMU 2,990,764
MELKOWITS, MASON COREY 2,996,388
MELLI, MAURO 3,004,319
MELLINGER, DAVID 3,004,274
MELNIKOV, SERGEY MICHAILOVICH 3,004,358
MELODEA LTD. 2,998,989
MENANDER, KERSTIN B. 3,004,530
MENZEL, STEPHAN 3,004,792
MERCIER-CALVAIRAC, FABIEN 2,996,457
MERCK PATENT GMBH 3,004,369
MERCK SHARP & DOHME CORP. 2,994,635
MEREDITH, CALEB 3,004,346
MERIAL INC. 3,004,589
MERIAL, INC. 3,004,531
MERIANS, RICHARD 3,004,410
MERIENNE, LUDOVIC 2,997,889
MERTENS, MACHTELD M. W. 3,004,308
MERTENS, OLIVER 2,998,230
MERUS N.V. 2,991,880
MESSERLE, MARTIN 3,004,805
MESWANIA, JAYANTILAL 2,993,139
METABRAIN RESEARCH 2,988,625
METALOGENIA RESEARCH & TECHNOLOGIES S.L. 2,993,410
METBRO DISTRIBUTING LP 3,004,096
METCHIK, ASHER L. 3,004,602
METSO MINERALS INDUSTRIES, INC. 2,996,253
METSO MINERALS INDUSTRIES, INC. 2,996,254
METSO MINERALS INDUSTRIES, INC. 2,996,255
METTERLEIN, MICHAEL 3,004,671
METZ, STEFAN 3,004,422
METZGER, AUSTIN D. 3,004,783
MEYERS, DAVID O. 3,003,913
MEYERS, MICHEL 3,004,369
MHETAR, VIJAY 3,004,844
MICHAEL, LACHLAN BRUCE 3,004,847
MICHAELIS, MAX G., IV 3,004,419
MICHAUD, STEEVE 2,995,130
MICHEL-SALAUN, FRANCOISE 3,004,801
MICHELI, FABRIZIO 2,992,820
MICHELI, FABRIZIO 2,997,868
MICHELI, FABRIZIO 2,997,869
MICHELOTTI, MARCO 2,992,070
MICHLA, ALEXANDER 3,004,380
MIDDLE PEAK MEDICAL, INC. 3,004,418
MIDDLESWORTH, JEFFREY A. 3,004,264
MIKAWA, YOSHIKAZU GI 2,994,506
MILAN CONCEPTION INC. 2,995,130
MILDH, GUNNAR 3,003,388
MILES, JASON VICTOR 3,004,195
MILEY, MICHAEL 3,004,422
MILLAN, LUIS FERNANDO ROMERO 3,004,522
MILLER, BROCK 2,995,553
MILLER, DANFORTH 2,996,635
MILLER, ERIK 3,004,726
MILLER, ERIK GORDON 3,004,511
MILLER, JAMES L. 3,004,414
MILLER, LORIS 3,004,309
MILLER, SAMUEL A. 3,004,271
MILLER, SAMUEL A. 3,004,278
MILLER, STUART 3,004,603
MILLER, STUART 3,004,607
MILLER, STUART 3,004,611
MILLER, STUART 3,004,625
MILLNER, ROBERT 3,004,666
MILOCCO, MAURO 2,994,216
MIMETAS B.V. 2,991,876
MIMOUN, EMMANUEL 2,995,655
MIN, BUM CHAN 2,993,920
MIN, BUM CHAN 2,993,923
MIN, BUM CHAN 2,993,925
MIN, BUM CHAN 2,993,928
MIN, JAEKI 2,993,929
MINCH, BRITT A. 3,004,081
MINDEGUIA, JEAN-CHRISTOPHE 2,994,246
MINERVAX APS 3,004,631
MINIMAX GMBH & CO. KG 3,004,806
MINNAAR, SANNET 3,003,581
MINTOO, MUBASHIR JAVED 3,004,534
MINZEL, WALEED 2,994,644
MIRSEPASSI, ALIREZA 2,989,278
MISHRA, ASHOK 2,993,907
MISHRA, VIVEK 2,997,364
MISHRA, VIVEK 2,997,463
MISSINGEN SERVICES AS 3,004,699
MITCHELL, CYNTHIA A. 3,004,086
MITCHELL, WILLIAM 2,997,661
MITEK HOLDINGS, INC. 2,996,256
MITHEN, RICHARD 2,990,566
MIYAMOTO, MASAHIRO 3,004,058
MIYANO, MASAYUKI 3,004,623
MIYASHITA, NAOKI 3,004,535
MIYASHITA, NAOKI 3,004,537
MIYAZAKI, TAKAMICHI 3,004,251
MJN U.S. HOLDINGS LLC 3,004,062
MJN U.S. HOLDINGS LLC 3,004,722
MJN U.S. HOLDINGS LLC 3,004,737
MJN U.S. HOLDINGS LLC 3,004,740
MODI, ROHIT 3,004,420
MODY, RUSTOM, SORAB 2,993,907
MOGNA, GIOVANNI 3,004,486
MOHAMMED, ABDUL RASHEED 2,997,956
MOHAMMED, MOHSIN OMAR 2,990,535
MOHAMMED, SHABBER 3,004,534
MOHLER, MARKUS 3,004,007
MOHRBACHER, JESSE 3,004,204
MOILANEN, HANNU 2,996,969
MOLIN, HANS M. 3,003,719
MOLINARO, ALESSANDRO 3,003,961
MOMOSE, RUMIKO 3,004,288
MONCK, MYRNA A. 2,996,088
MONDHE, DILIP MANIKRAO 3,004,534
MONGKOLSAPAYA, JUTHATHIP 2,988,499
MONGUILLON, BERNARD 2,998,063
MONNIKES, RENE 3,004,007
MONROE, KATE 3,003,458
MONTANARI, VITTORIO 3,003,465
MONTEIRO, MARIO ARTUR 3,004,305
MONTES PARRA, ROGER FELIPE 2,994,912
MONTEYS, ALEJANDRO MAS 3,004,713
MONTGOMERY, PAUL R. 3,004,052
MONTOYA, ERNEST 3,004,282
MOON, EUN JOUNG 2,992,971
MOON, SUNG-HYUN 3,004,696
MOONEY, NATHAN K. 3,004,146
MOOSMANN, BERNHARD 3,004,502
MORAIS SEQUEIRA, ALBINA RAQUEL 2,998,289
MORGAN, ALAN J. 2,998,295
MORI, TATSUYA 2,996,485
MORIMOTO, TEPPEI 2,993,751
MORIN-ALDEBERT, DELPHINE PAULE RENEE 2,991,524
MORONI, MARCO 3,004,621
MORRA, ANGELICA 2,996,391
MORRIS, RYAN 2,995,438
MORROW, CLINT ADAM 3,004,074
MORROW, CLINT ADAM 3,004,076
MORROW, CLINT ADAM 3,004,291
MORROW, CLINT ADAM 3,004,304
MORROW, CLINT ADAM 3,004,313
MORROW, CLINT ADAM 3,004,318
MORSHED, M. MONZUR 3,004,641
MORSHED, M. MONZUR 3,004,714

MOSCOU, MATTHEW JAMES 3,003,903
MOSES, JOHN 3,004,810
MOSHAL, MARTIN PAUL 2,994,896
MOSSER, MATHILDE 3,004,192
MOSTERT, GERARD 2,996,266
MOSTOLLER, MATTHEW EDWARD 3,004,605
MOTION ENGINE INC. 3,004,760
MOTION ENGINE INC. 3,004,763
MOTOROLA SOLUTIONS, INC. 2,997,381
MOTTRAM, STEPHEN 2,996,246
MOULON, CORINNE 2,991,846
MOURE, ANNE 3,004,192
MOUSSA, AMGAD-SALAH 3,004,384
MOUSSETTE, ADRIEN 2,997,939
MOVAHEDI, SARA 3,004,165
MOVAHEDI, SARA 3,004,169
MOYER, ERIC P. 3,004,067
MOYER, ERIC P. 3,004,089
MOYHER, CHARLES S. 3,004,301
MUCHANG, YOBEL 3,003,897
MULAKALA, CHANDRIKA 2,997,531
MULCAHY, JOHN 2,991,588
MULDER, IMKE 2,988,657
MULDER, IMKE 2,988,686
MULDER, IMKE 2,988,695
MULROONEY, CONOR 2,994,627
MULROONEY, CONOR 2,994,630
MULROONEY, CONOR 2,995,028
MULTIVIR INC. 3,004,530
MULVEY, PATRICK JAMES 3,004,190
MUMFORD, EUSTICE H. (DECEASED) 3,003,717
MUN, DAE-YONG 2,997,696
MUNCH, JORG WERNER 2,996,373
MUNDIN, GILL 2,994,103
MUNDIN, GILL 2,994,109
MUNRO, SIMON 2,994,507
MURAI, NORIO 3,004,623
MURAKAMI, MASATAKA 2,988,572
MURAOKA, MASARU 2,993,423
MURAWSKI, MICHAL 3,000,156
MURISON, IAN 2,997,119
MURRAY, PAUL 2,998,295
MURUGANATHAN, SIVA 3,004,405
MUSHTAQ, MUHAMMAD MUNEEB 3,004,774
MUSHTAQ, MUHAMMAD NABEEL 3,004,774
MUTHUKUMAR, MURUGAPPAN 3,004,585
MX TECHNOLOGIES, INC. 3,004,338
MYLAN LABORATORIES LIMITED 2,998,830
MYUNG, SE-HO 2,984,479
NABAS GROUP, INC. 2,988,574
NACCARATO, FRANCESCO 3,004,352
NACHAWATI, MAHER 3,004,462
NAGAO, SATOSHI 3,004,623
NAGLER, MICHAEL 2,986,370
NAGLER, MICHAEL 2,986,514
NAGLER, MICHAEL 2,986,518
NAIDU, B. NARASIMHULU 2,990,575
NAIDU, B. NARASIMHULU 2,991,268
NAIDU, B. NARASIMHULU 2,991,464
NAIDU, B. NARASIMHULU 2,991,467
NAIDU, B. NARASIMHULU 2,994,512
NAIDU, B. NARASIMHULU 2,994,517
NAIDU, B. NARASIMHULU 2,994,791
NAIDU, B. NARASIMHULU 2,995,042
NAIDU, B. NARASIMHULU 2,995,087
NAIDU, B. NARASIMHULU 2,995,099
NAIDU, B. NARASIMHULU 2,995,790
NAKAMURA, GENKI 2,993,423
NAKAMURA, MINORU 2,988,572
NAM, HYE YEONG 2,998,092
NAM, JIN SOO 2,997,396
NAM, TAE-GYU 3,004,595
NAPIERALA, MAREK 3,000,156
NARA, HIROSHI 2,992,700
NARAYANASWAMY, NAGARJUN 2,996,665
NARAYANASWAMY, NAGARJUN 2,996,666
NASILOWSKI, TOMASZ 3,000,156
NATARAJAN, CHANDRASHEKAR 3,004,139
NATARAJAN, CHANDRASHEKAR 3,004,179
NATARAJAN, CHANDRASHEKAR 3,004,283
NATARAJAN, CHANDRASHEKAR 3,004,294
NATARAJAN, CHANDRASHEKAR 3,004,470
NATIONAL DEEP SEA CENTER 2,990,647
NATURA COSMETICOS S.A. 3,004,468
NATURIOL BANGOR LIMITED 2,997,863
NAVEZ, NICOLAS 2,993,092
NAVIPHARM CO, LTD 2,998,841
NAYLOR, ALAN 2,997,519
NCM INNOVATIONS (PVT) LTD 3,004,466
NEAL, ISAAC 3,003,907
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO 2,997,900
NEENAH GESSNER GMBH 3,004,200
NELSON, DOUGLAS MARTIN 2,993,411
NELSON, JOHN 3,004,629
NELSON, ROBERT 3,004,254
NEMESIS BIOSCIENCE LTD 2,994,506
NEMETH, LASZLO 2,996,995
NEMUNAITIS, BRADLEY 3,004,841
NEO MONITORS AS 2,989,119
NEO-INNOVA HEALTHCARE LIMITED 3,004,810
NEOLYS DIAGNOSTICS 2,993,871
NEOLYS DIAGNOSTICS 2,994,914
NESTEC S.A. 2,994,916
NESTEC S.A. 2,995,154
NESTEC S.A. 3,003,961
NESTEC S.A. 3,004,043
NESTEC S.A. 3,004,044
NESTEC S.A. 3,004,046
NESTLER, MONTIA 3,004,481
NETFLIX, INC. 3,004,769
NETWORK GROUP, S.R.O. 3,002,593
NEUHAUS, JOHANNES 3,004,503
NEUSSL, STEFAN 3,004,814
NEVO, YUVAL 2,998,989
NEW GENERATION NATURAL GAS NATURAL GROWTH 2,986,189
NEWELL, ANDREW 3,003,550
NEWLANDER, KENNETH ALLEN 2,990,474
NEWTON, MARK 2,983,801
NEXT BIOMED THERAPIES OY 2,991,953
NEXWRITER LIMITED 3,004,610
NFONGUEM, GUSTAVE 2,996,852
NG, SARA MAN YEE 2,997,519
NGUYEN, THANH V. 3,004,602
NIC IMPEX 2,993,092
NICOVENTURES HOLDINGS LIMITED 2,994,777
NIEDERLANDER, JORN 2,994,481
NIELSEN, CURT AIME FRIIS 2,996,028
NIELSEN, DAN MONSTER 2,997,167
NIEMELA, MIIA 2,995,032
NIJSSE, JACOB 3,004,512
NIKE INNOVATE C.V. 3,004,052
NIKLEWSKI, ANDRZEJ 2,996,253
NIKLEWSKI, ANDRZEJ 2,996,254
NIKLEWSKI, ANDRZEJ 2,996,255
NILSSON, HUGO 2,996,617
NIMRICHTR, VACLAV 2,995,508
NINKOVIC, SACHA 2,994,917
NIPPON KAYAKU KABUSHIKI KAISHA 2,995,053
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,003,958
NIROGI, RAMAKRISHNA 2,997,956
NISHIMURA, TAKURO 3,004,691
NISSAN MOTOR CO., LTD. 2,997,889
NISSAN MOTOR CO., LTD. 3,004,395
NISSAN MOTOR CO., LTD. 3,004,535
NISSAN MOTOR CO., LTD. 3,004,537
NISSAN MOTOR CO., LTD. 3,004,539
NISSHIN FOODS INC. 2,995,045
NITHIYANANDAM, KRTIN 2,992,915
NITSCHKE, DAVID B 3,003,717
NITSCHKE, DAVID B. 3,003,901
NITSCHKE, DEAN M. 3,003,901
NMI NATURWISSENSCHAFTLICHES UND MEDIZINISCHES INSTITUT AN DER UNIVERSITAT TUBINGEN 3,004,671
NO.EL. S.R.L. 3,004,379
NOBLE ARTIFICIAL INTELLIGENCE, INC. 2,998,088
NOE, ANDREAS 3,004,532
NOK CORPORATION 3,004,691
NOK CORPORATION 3,004,850
NOLTE, FRIEDRICH 3,004,792
NORDGREN, MATS 3,004,247

NORDIC MINESTEEL TECHNOLOGIES INC. 2,998,001
NORKIN, ANDREY 3,004,769
NORRIS, AARON 3,004,268
NORRIS, SEAN 2,984,086
NORTHQUIP INC. 2,998,006
NORTHQUIP INC. 2,998,010
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,004,084
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,004,335
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,004,337
NOTO, KEITH D. 2,991,230
NOTO, KEITH D. 2,992,397
NOTTS SPORT GROUP LIMITED 2,993,501
NOUAILLE, REGIS 2,991,003
NOV DOWNHOLE EURASIA LIMITED 2,991,845
NOVA CHEMICALS CORPORATION 2,993,502
NOVARA, MONICA 2,996,391
NOVARTIS AG 2,989,094
NOVARTIS AG 2,989,278
NOVARTIS AG 2,990,764
NOVARTIS AG 2,991,715
NOVARTIS AG 2,991,857
NOVARTIS AG 2,992,812
NOVARTIS AG 2,992,823
NOVARTIS AG 2,992,949
NOVARTIS AG 2,992,952
NOVARTIS AG 2,993,416
NOVARTIS AG 2,993,417
NOVARTIS AG 2,993,908
NOVARTIS AG 2,994,516
NOVARTIS AG 2,994,918
NOVARTIS AG 2,995,795
NOVARTIS AG 2,996,635
NOVARTIS AG 3,003,986
NOVARTIS AG 3,004,094
NOVARTIS AG 3,004,158
NOVARTIS AG 3,004,213
NOVARTIS AG 3,004,232
NOVARTIS AG 3,004,517
NOVIK, AMIT 2,991,980
NOVO NORDISK A/S 3,004,145
NOVOTNY, MARK A. 3,004,526
NP AEROSPACE LIMITED 2,993,765
NRG ENERGIA S.R.L. 2,995,316
NSK LTD. 3,004,399
NUFARM AMERICAS, INC 3,004,762
NURALOGIX CORPORATION 2,998,687
NY, TOR 3,004,509
NYGAARD, PETER D. 3,004,289
NYHAVN, FRIDTJOF 2,997,901
NYMOX CORPORATION 2,992,174
NYVOLD, STIG OLUF 3,003,966
O'BRIEN, JOHN J. V. 3,004,179
O'BRIEN, JOHN J., V 3,004,139
O'BRIEN, KEVIN 3,004,295
O'CONNOR, MICHAEL 3,004,051
O'DOHERTY, JOHN 3,004,829
O'DONNELL, JUDE 2,993,142
O'KEEFE, EAMONN 3,002,243
O'REGAN, PHILIP 2,996,256
OATES, JAMES 3,004,289
OBA, KENICHI 3,004,691
OCEAN CURRENT ENERGY LLC 3,004,190
OCERA THERAPEUTICS, INC. 3,004,331
OELLGAARD, CLAUS 2,997,225
OERLIKON METCO AG, WOHLEN 3,004,380
OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON 3,004,481
OFEI, KIRK ANGUAH 2,992,973
OFFERMANN, VOLKMAR 3,004,500
OGINO, MASAKI 2,988,572
OH, EUH LIM 2,999,823
OH, HYEONGCHAN 2,990,277
OH, HYUN CHEOL 3,004,656
OH, JUN-HO 2,997,272
OH, JUNG TAEK 2,994,688
OH, YOUNG-HO 2,984,479
OHIO STATE INNOVATION FOUNDATION 3,004,408
OHLER, JEFFREY 3,004,841
OHMAN, HENRIK 2,997,573
OHTA, MITSUNORI 3,004,535
OHTA, MITSUNORI 3,004,537
OHTANI, NAOKO 3,000,237
OISHI KOSEIDO CO., LTD. 2,996,485
OKUMURA, TAKAKO 3,000,237
OLBRICH, CARSTEN 3,004,789
OLCZAK, JACEK P. 2,997,382
OLEJNICZAK, SYLWIA 2,997,382
OLEJNIK, JERZY 3,004,060
OLENIK, BRITTA 3,004,360
OLF, GUENTER 3,004,384
OLIN, MICHAEL 3,004,048
OLLERENSHAW, ANDREW 3,004,428
OLLIKAINEN, ARTO 2,991,462
OLSEN, FRODE BERG 3,003,966
OMEROS CORPORATION 3,004,753
OMRIX BIOPHARMACEUTICALS LTD. 3,004,521
OMRIX BIOPHARMACEUTICALS LTD. 3,004,524
OMURA, MASATO 2,995,045
ONCOARENDI THERAPEUTICS S.A. 2,997,382
ONEFUSION AG 3,004,480
ONUOHA, SHIMOBI 2,995,785
OOKI, OSAMU 3,004,395
OOMMEN MAMMEN, ANUP 2,993,922
OORTMAN, RUBEN 2,995,432
OOSTERVELD, ALEXANDER 2,990,007
OPI VI- IP HOLDCO LLC 3,004,830
OPTIMEDICA CORPORATION 3,003,870
OPUS ONE SOLUTIONS ENERGY CORP. 3,004,649
ORANGE 2,999,947
ORANO MED 3,004,689
ORBIS CORPORATION 3,004,402
ORBITAL MULTI MEDIA HOLDINGS CORPORATION 2,981,638
ORDENTLICH, PETER 3,004,369
ORION CORPORATION 2,989,265
ORIONIS BIOSCIENCES NV 3,003,969
ORRANGE, JOHN 3,004,538
OSTERLING, JACOB 2,997,905
OTA, SATOSHI 3,004,537
OTIABA, KENNY 2,994,777
OTSUKA PHARMACEUTICAL FACTORY, INC. 3,004,153
OTSUKA PHARMACEUTICAL FACTORY, INC. 3,004,398
OU, JIAN ZHEN 2,989,191
OUTOTEC (FINLAND) OY 2,991,462
OVOKAITYS, TODD FRANK 3,004,614
OWEN, DAFYDD RHYS 2,996,389
OWENS CORNING INTELLECTUAL CAPITAL, LLC 3,004,434
OXEAU INVEST 3,004,812
OXFORD BIODYNAMICS LIMITED 2,988,673
OXFORD BIODYNAMICS LIMITED 2,988,674
OXFORD UNIVERSITY INNOVATION LIMITED 2,995,656
OXO CHEMIE (THAILAND) CO., LTD 2,995,659
PACCAR INC 3,004,079
PAGANO, IAN 2,996,368
PAGLIERANI, PIETRO 3,004,682
PAILLARD, AMAURY 2,997,812
PAL, PRALAY KUMAR 3,004,047
PALANISAMY, MURALI 2,992,402
PALANISAMY, MURALI 2,998,465
PALENCIA, SERVANDO 3,004,794
PALLA-VENKATA, CHANDRA SEKHAR 3,004,604
PALLAI, FABRIZIO 2,994,362
PALLE, VENKATA P. 2,991,232
PALLE, VENKATA P. 2,996,263
PALMER, BRUCE 3,004,196
PALMER, JOE 3,003,550
PALMER, STEPHEN 2,990,541
PALMER-FELGATE, JOHN PAUL 3,004,130
PALMRE, VILJAR 3,004,201
PALOBIOFARMA, S.L. 2,994,918
PALUD, SEBASTIEN 2,994,728
PAN, BIN 3,004,098
PANCHAL, AMIT RANJIT 3,003,553
PANCOSMA SA 3,004,836
PANDEY, ASHISH 2,993,907
PANG, GUOFENG 3,004,354
PANG, GUOFENG 3,004,356
PANHUBER, WOLFGANG 3,004,666
PANMAND, ANIL 2,993,312
PANTEX INTERNATIONAL S.P.A. 2,997,238
PANZARIN SAVIETTO, JOICE 3,004,468
PANZIERA, EDOARDO GIACOMO 3,004,621

PAO, HUAN-CHAUN 3,000,601
PAPA, LAURA 3,004,378
PAPAC, MICHAEL J. 2,989,278
PAPAC, MICHAEL J. 2,992,812
PAPAC, MICHAEL JAMES 3,004,213
PAPAIOANNOU, NIKOLAOS 2,996,389
PAPASAKELLARIOU, ARIS 2,981,449
PARADKAR, VIKRAM MADHUSADAN 2,989,187
PARADOWSKI, HENRI 2,992,791
PARAGRAF LIMITED 2,995,141
PARAILLOUS, MAXIME 3,004,817
PARCELLA, KYLE E. 2,991,464
PARCELLA, KYLE E. 2,994,791
PARCELLA, KYLE E. 2,995,099
PARDESHI, SHAILESH RAMESH 2,993,304
PARIKH, PAYAL KIRAN 2,997,531
PARK, BRIAN VANDELLYN 3,004,260
PARK, EUNICE SUN 3,004,623
PARK, JAE YEON 2,999,821
PARK, JIN HUN 2,997,549
PARK, JISEON 2,990,277
PARK, JUNG-HYUN 2,992,969
PARK, KYUNG-MO 2,997,027
PARK, SANG JIN 2,988,715
PARK, SEONG JIN 2,995,675
PARK, SOO-HONG 2,988,214
PARK, SOON JAE 2,990,582
PARK, SU JIN 2,990,376
PARK, SU JIN 2,992,970
PARK, SUNG MAN 2,988,715
PARK, SUNG-WOO 2,992,969
PARK, TAESUN 2,995,675
PARK, WOO ILE 2,997,549
PARK, YONG MAN 3,004,197
PARK, YOUNG JIN 2,991,107
PARKER, GLEN C. 3,004,314
PARKER, TOM 2,994,208
PARKES, EILEEN 2,993,142
PARKS, PAUL A. 3,004,282
PARKVALL, STEFAN 3,003,388
PARNHAM, MICHAEL 3,004,363
PARSONS, JOHN C. 3,004,619
PARSONS, TINA 2,996,436
PARTHASARADHI REDDY, BANDI 2,995,662
PARUCH, LUCAS I. 3,004,289
PARUCH, LUCAS I. 3,004,608
PARZY, DOMINIQUE 2,999,945
PARZY, SEBASTIEN 2,999,945
PASCAUD, STEPHANE 2,997,812
PASCAULT, JEAN-PIERRE 2,995,162
PASTOR FERNANDEZ, JOAQUIN 2,996,233
PATEL, AMIT N. 3,004,742
PATEL, DARSHIN S. 3,004,602
PATEL, DHAVAL 2,992,800
PATEL, DHAVAL 2,992,809
PATEL, DIMKI S. 3,004,742
PATEL, MANISH 2,997,364
PATEL, MANISH 2,997,463
PATEL, MANOJ 2,991,268
PATEL, MANOJ 2,991,464
PATEL, MANOJ 2,991,467
PATEL, MANOJ 2,994,517
PATEL, MANOJ 2,995,099
PATEL, NANDINI CHATURBHAI 2,989,456
PATEL, NARENDRA 3,004,641
PATEL, SACHIN V. 2,991,273
PATEL, SHWETAK N. 3,004,832
PATHAK, RAVI 3,004,421
PATIL, AVINASH DADASO 3,003,553
PATIL, MADHUKAR 2,998,830
PATIL, PRADEEP RANGRAO 2,996,263
PATIL, SANTOSH 2,993,312
PATNY, AKSHAY 2,995,153
PATSCH, CHRISTOPH 3,004,799
PATTERSON, ANGELA MARGARET 2,988,657
PATTERSON, ANGELA MARGARET 2,988,686
PATTERSON, ANGELA MARGARET 2,988,695
PATTERSON, FIONNUALA 2,993,142
PATTERSON, SUZANNE 3,004,417
PATTON, THOMAS 2,990,326
PATWARDHAN, SIDDHARTH VIJAY 2,997,377
PAULY, CHRISTOPHER MARK 3,004,254
PAUM, PEEP 2,995,515
PAUSINI, SIMONE 2,995,316
PAUTARD, SEBASTIEN 3,004,161
PAVESI, ANDREA 3,004,596
PAVLIK, L'UBOMIR 2,996,474
PAYLING, LAURA 3,004,522
PAZ ABUIN, SENEN 2,995,162
PAZOLLI, ERMIRA 3,004,623
PEARCE, ALAN CHARLES 2,995,424
PEDERSEN FISCHER, PER BO 3,004,631
PEDERSEN, ANDERS 3,004,632
PEDERSEN, LYKKE 3,004,799
PEDEVILLA, PATRICK 2,997,043
PEESE, KEVIN 2,994,517
PEI, WEI 2,984,657
PEI, YANLIANG 2,990,647
PELLATON, BERTRAND GUILLAUME ROBIN 2,997,939
PELLENGO GATTI, ROBERTO 3,004,379
PELLIZZON, IRENE 2,997,235
PELOTON TECHNOLOGY, INC. 3,004,051
PENG, XUEGANG 3,004,797
PENN ALUMINUM INTERNATIONAL LLC 3,004,268
PENTON, JULIE-ANN 3,002,493
PENVER, MARK 2,997,661
PEPSICO, INC. 3,004,462
PEQUEGNAT, BRITTANY MICHELE 3,004,305
PEREIRA, BRUNO RUFATO 3,003,595
PEREIRA, SANDRINE 2,993,871
PEREIRA, SANDRINE 2,994,914
PERERA, PRINS 2,997,277
PEREYRA GUERRERO, DULCE CONCEPCION 3,004,376
PERITT, DAVID 3,004,738
PERKINS, JASON DEAN 3,001,144
PERNI, STEFANO 3,003,965
PEROZ, CHRISTOPHE 3,004,319
PERPEZAT, DANIEL 2,998,309
PERRIER, CEDRIC 3,004,209
PERRIN, FRANCOIS-XAVIER 3,004,386
PESSIOT, JEREMY 2,991,003
PESTUN, VADIM 2,994,508
PESTUN, VADIM 2,994,511
PETER, AKOS 3,004,325
PETER, THOMAS HARALD 3,004,368
PETERSON, KELLY S. 3,004,259
PETERSON, KELLY S. 3,004,267
PETIT, ROBERT 2,990,570
PETITFILS, MICKAEL 2,989,785
PETITFILS, MICKAEL 2,992,930
PETRASHOV, VICTOR TIKHONOVICH 2,993,345
PETRASHOV, VICTOR TIKHONOVICH 2,997,348
PETRETTO, FRANCK 2,990,345
PETRO-PACK AB 2,996,617
PEYROT, JACQUES 3,004,531
PEZET, BERNARD 3,003,495
PFEIFFER, CHARLES 3,004,620
PFIZER INC. 2,989,456
PFIZER INC. 2,994,917
PFIZER INC. 2,995,153
PFIZER INC. 2,996,389
PFIZER INC. 3,004,369
PHAGENESIS LIMITED 2,994,627
PHAGENESIS LIMITED 2,994,630
PHAGENESIS LIMITED 2,995,028
PHARMAFILTER B.V. 2,993,129
PHARMANUTRA S.P.A. 2,995,314
PHILIPP, NORMAN 2,987,825
PHOOD STATION 2,997,734
PHYN LLC 3,004,832
PIAGGIO & C. S.P.A. 2,993,756
PIAGGIO & C. S.P.A. 2,993,757
PIAGGIO & C. S.P.A. 2,994,220
PIAGGIO & C. S.P.A. 2,994,376
PIBAROT, PATRICK 2,995,154
PICARD, LYONEL 3,004,616
PICHLER, VERENA 3,004,630
PICKWORTH, MARK 2,993,484
PICKWORTH, MARK 2,994,143
PICKWORTH, MARK 2,994,203
PIERACCINI, MASSIMILIANO 2,993,902
PIERCE, BETSY SUSAN 2,995,153
PIERCE, KRISTEN 3,004,794
PIETSCHMANN, THOMAS 3,004,805
PIGNATEL, JEROME 2,997,024
PIKE, BRIAN 3,004,762
PILKINGTON GROUP LIMITED 2,993,411
PINCHUK, ANATOLY 3,004,458
PINHEIRO, ELAINE 2,994,635
PINHOLT, NIELS 2,997,225
PINO, JORGE 2,997,521
PIONEER HI-BRED INTERNATIONAL, INC. 3,004,056
PIOTROWICZ, MICHAL C. 2,997,382
PIOTROWSKI, ADAM 3,004,620

PIPELIFE NEDERLAND B.V. 2,998,315
PIPER, LEE JAMES 2,992,520
PIRON, CAMERON ANTHONY 3,004,167
PITCHUMANI, RAMANAN 3,004,312
PITCHUMANI, RAMANAN 3,004,315
PIVERT, LAURENT 2,998,309
PLANT BIOSCIENCE LIMITED 2,990,566
PLANTE, OBADIAH JOSEPH 3,004,790
PLETNYOV, OLEKSIY 3,004,339
PLITZKO, MATTHIAS 3,004,789
PLOTKIN, STEVEN S. 3,004,482
PLOTKIN, STEVEN S. 3,004,493
PLOTKIN, STEVEN S. 3,004,494
PLOTKIN, STEVEN S. 3,004,496
PLOTKIN, STEVEN S. 3,004,498
PLOTKIN, STEVEN SAMUEL 3,004,593
PLUTA, ELZBIETA 2,997,382
POETZ, OLIVER 3,004,671
POINTEK, ANDRE 2,998,781
POIROT, LAURENT 3,004,171
POKORSKA-BOCCI, ANNA 2,991,846
POLAGE, SARAH 2,997,308
POLI MD S.R.L. 2,995,552
POLI, ELENA 2,995,552
POLIAKOV, EVGENI 3,004,319
POLITECNICO DI TORINO 2,996,391
POLLAK, JOSEPH JOEL 2,998,829
POLSKIE CENTRUM FOTONIKI I SWIATLOWODOW 3,000,156
POLYACTIVA PTY LTD 2,997,519
POLYCZYNSKI, PIOTR 2,998,293
POLYMER COMPETENCE CENTER LEOBEN GMBH 2,997,517
POMMER, STIG 3,004,355
POMMIER, REGIS 2,994,246
POPIK, TERRY DEAN 3,004,774
POPP, MICHAEL J. 3,004,602
PORTER, TERRY 2,981,218
PORTIL, ROB 3,004,610
POS, WOUTER 2,989,551
POSPIESZNY, HENRYK 2,993,634
POST, LEONARD E. 3,003,422
POTESTA, LAURENT 2,990,759
POUGET, GAELLE 2,997,024
POULON, ANGELINE 3,004,817
POUPART, MARC-ANDRE 3,004,641
POUPART, MARC-ANDRE 3,004,714
POURNAGHI, REZA 2,984,657
POURTAUD, NICOLAS 2,987,522
POW, ANDREW 2,991,980
POWERCHORD GROUP LIMITED 2,992,510
POWERCHORD GROUP LIMITED 2,992,512
POWERS, GORDON 3,004,117
POWERS, GORDON 3,004,134
POWERS, GORDON 3,004,138
POWERS, JANINE 3,004,794
POYNTER, GREGORY M. 3,004,176
POYNTER, GREGORY M. 3,004,177
POZNANSKY, MARK C. 3,004,738
POZNANSKY, MARK C. 3,004,772
POZZUOLI, MARZIO 2,998,687
PPG INDUSTRIES OHIO, INC. 3,004,292
PRAJAPATI, SUDEEP 3,004,623
PRAKASH, MAYANK 3,004,420
PRANGE, MICHAEL DAVID 3,004,112
PRAXAIR TECHNOLOGY, INC. 3,004,415
PRAXAIR TECHNOLOGY, INC. 3,004,768
PREMIER RESEARCH LABS, LP 3,004,622
PRENDES GONZALES, PILAR 2,995,162
PRENZEL, ALEXANDER 3,003,945
PRESCIENT PHARMA LLC 3,004,059
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,004,285
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,004,347
PRESLEY, GEOFFREY 3,004,204
PRESTA, LEONARD G. 3,004,743
PREVOST, JULIE 2,998,442
PRICE, BETHANIE 2,989,388
PRICE, CHARLES A. 3,004,051
PRICE, GENE TEMPLE 3,004,711
PRICEMAN, SAUL J. 3,004,306
PRIMETALS TECHNOLOGIES AUSTRIA GMBH 3,004,666
PRINS, MARINUS WILLEM 2,996,806
PROBIOTICAL S.P.A. 3,004,486
PROCHNOW, HANS-PETER 3,004,805
PROGENITY, INC. 3,004,527
PROKOPOVICH, POLINA 3,003,965
PROMETIC BIOTHERAPEUTICS, LTD. 3,004,509
PROPHOS CHEMICALS SRL 2,992,070
PROSKE, THOMAS 2,996,373
PROTHENA BIOSCIENCES LIMITED 2,994,518
PROTO, ANTONIO ALFONSO 3,004,472
PROUTSKI, VITALI 2,993,142
PRUITT, BENJAMIN W. 3,004,285
PRYSMIAN S.P.A. 3,004,473
PUCHEGGER U. JILG PARKETT GROSS U. EINZELHANDELS GES.M.B.H. 2,995,388
PUCHEGGER, ALFRED 2,995,388
PUFKY-HEINRICH, DANIELA, DR. 2,997,308
PUIG CASTELLO, ALBERT 2,993,410
PUJOLS, MAYO 2,990,570
PULE, MARTIN 2,995,775
PULE, MARTIN 2,995,785
PULLMANOVA, MONIKA 3,004,776
PUMA SE 3,004,612
PURAC BIOCHEM B.V. 2,989,390
PURUSOTHAMAN, ANAND 2,992,402
PURUSOTHAMAN, ANAND 2,998,465
PYLOTE 3,004,343
PYROPHASE, INC. 3,004,204
QBO COFFEE GMBH 3,004,626
QF TECHNOLOGIES AS 3,004,673
QIAGEN SCIENCES LLC 3,004,060
QIAN, XINMING 2,992,823
QILU PHARMACEUTICAL CO., LTD. 3,004,147
QIN, DAKUN 3,004,147
QIN, SHUYI 2,998,871
QINGDAO KINGAGROOT RESISTANT WEED MANAGEMENT CO., LTD. 3,004,797
QINGDAO XINYAODI AGRICULTURAL TECHNOLOGY JOINT-STOCK CO., LTD. 2,989,711
QU, XIANGDONG 3,004,804
QUADRISE INTERNATIONAL LTD 3,004,195
QUADRO VEHICLES S.A. 3,004,621
QUALCOMM INCORPORATED 3,003,882
QUALCOMM INCORPORATED 3,003,912
QUALCOMM INCORPORATED 3,004,100
QUALCOMM INCORPORATED 3,004,185
QUALCOMM INCORPORATED 3,004,262
QUALCOMM INCORPORATED 3,004,442
QUALCOMM INCORPORATED 3,004,485
QUALCOMM INCORPORATED 3,004,609
QUALCOMM INCORPORATED 3,004,764
QUALCOMM INCORPORATED 3,004,770
QUANTUM DENTAL TECHNOLOGIES INC. 3,004,499
QUANTUM ROBOTIC SYSTEMS INC. 3,004,352
QUEK, SUNG 2,993,137
QUICKSTYLE INDUSTRIES INC. 3,004,243
QUINN, SARAH 3,004,178
QUINTANA BUSTAMANTE, OSCAR 3,004,171
QUINTILIANI, JOSEPH D. 3,004,136
QUIROGA, JUAN ANTONIO 2,985,959
R.P. SCHERER TECHNOLOGIES, LLC 3,004,302
R.P. SCHERER TECHNOLOGIES, LLC 3,004,584
RA, YONG-KUK 2,997,415
RAAD, ISSAM 3,004,307
RABE, THOMAS ELLIOT 3,004,483
RABE, THOMAS ELLIOT 3,004,606
RABHI, VIANNEY 2,998,581
RABINOWITZ BATZ, NITZAN 3,004,388
RABUKA, DAVID 3,004,584
RACHID, RIMA 3,003,908
RACKHAM, MARK DAVID 2,994,143
RADIXKHEM, LLC 3,004,617
RAE, STEPHEN 3,004,624
RAFFAELLI, ANDREA 2,993,756
RAFFAELLI, ANDREA 2,993,757
RAFFAELLI, ANDREA 2,994,220
RAFFAELLI, ANDREA 2,994,376
RAFTIS, EMMA 2,988,657
RAFTIS, EMMA 2,988,686
RAFTIS, EMMA 2,988,695
RAGHAVENDRA, E. VEERA 3,004,700
RAHMAN, KHONDAKER MIRAZUR 2,996,406
RAHNAMA, HOSSEIN 3,004,475
RAISBECK, DEBORAH 2,993,411
RAJAGOPAL, SRIDHARAN 2,997,531
RAJKOVICH, SAMANTHA 3,004,504

RALLINGS, PAUL JOHN MICHAEL 2,998,273
RAMADASS, AROUL 2,988,673
RAMADASS, AROUL 2,988,674
RAMAIAH, MANJUNATHA M 2,997,531
RAMAKRISHNAN, BOOPATHY 3,004,790
RAMAN, VENKATA 3,003,465
RAMARATNAM, KARTHIK 3,004,619
RAMDAS, VIDYA 2,996,263
RAMIREZ SANTIAGO, GUILLERMO 2,995,021
RAMIREZ, FRANCISCO JAVIER 2,992,819
RAMLAL, DINESH RAVINDRE 2,997,900
RANGANATHAN, SATHISH KUMAR 3,004,844
RASANEN, JUKKA 3,004,662
RASMUS, TODD MORGAN 3,003,912
RASMUSSEN, SOREN VESTERGAARD 3,004,799
RATERMAN, MICHAEL FRANCIS 3,004,068
RATHNAKAR REDDY, KURA 2,995,662
RATKOVICH, MICHAEL 3,004,622
RATTUNDE & CO GMBH 3,004,206
RATTUNDE, ULRICH 3,004,206
RAUCH, JEREMIAH J. 3,004,415
RAVENSCROFT, MATTHEW JOHN 2,992,517
RAYMOND, CHRISTOPHER K. 3,004,435
RAYMOND, THOMAS D. 3,003,907
RAYNAL, SOPHIE N. 2,988,625
RDC SYSTEMS, LLC 3,004,351
READY GRIP TECHNOLOGIES, LLC 2,998,903
RECCA, GIUSEPPE RENATO MASSIMO 2,994,058
RECIO, ANTONIO, III 3,004,604
RECKITT BENCKISER (BRANDS) LIMITED 2,995,800
RECKITT BENCKISER (BRANDS) LIMITED 2,997,174
RECKITT BENCKISER (BRANDS) LIMITED 2,997,207
RECKITT BENCKISER (BRANDS) LIMITED 2,998,722
REDDY, THUMKUNTA JAGADEESWAR 2,988,680
REEVES, PATRICK 3,004,738
REEVES, PATRICK 3,004,772
REGENTS OF THE UNIVERSITY OF MINNESOTA 3,004,048
REGNIER, MARIE-CHRISTINE 3,004,528
REICK, HANSJORG 2,996,918
REID, HELEN 2,989,271
REID, STEPHEN 2,994,902
REIN, NORBERT 3,004,666
REIS FIGUEIREDO, BRUNO 2,995,433
REISCHER, ANDREW J. 3,004,538
REISENBERGER GMBH 2,988,646
REISENBERGER, FRANZ 2,988,646
REISENBERGER, KLAUS 2,988,646
REISHUS, TERRY G. 3,004,782
REISSIG, ERIK J. 3,004,414
REITMEYER, TIM JAY 3,004,749
RELIANCE WORLDWIDE CORPORATION (AUST.) PTY. LTD. 3,004,109
REN, HUGANG 2,989,094
REN, HUGANG 2,993,416
REN, HUGANG 2,993,417
REN, HUGANG 3,004,232
REN, HUGANG 3,004,517
RENYI, GABOR 2,998,822
RESIWAY - SOLUCOES SUSTENTAVEIS, LDA. 2,998,289
RESKALA, ALEJANDRO 3,004,599
RESOLUTION BIOSCIENCE, INC. 3,004,435
RESPONSIBLE ENERGY INC. 3,004,164
RESURRECCION, FERMIN P. JR. 3,004,182
REUTHER, JAMES J. 3,003,720
REY, FELIX AUGUSTO 2,988,499
REYES, HARI MARK 3,004,613
REYNES, PIERRE 2,995,154
RHODES, TODD ALAN 3,004,106
RICE, CHARLES F. 2,997,380
RICE, CHARLES F. 3,004,228
RICHARD, STEPHANE 2,997,164
RICHARD-BILDSTEIN, SYLVIA 2,989,098
RICHIE, NICOLE 3,004,348
RICKARDS, CHRISTINE 3,003,959
RIDD, JOHN 3,002,735
RIESCO FAGUNDO, ROSARIO CONCEPCION 2,996,233
RIFANI, ANDREAS 3,004,237
RIGAIL, FRANCOIS 2,987,522
RIGHI, MATTEO 2,995,775
RIGHI, MATTEO 2,995,785
RIGOLA, DIANA 2,996,806
RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V. 3,004,165
RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V. 3,004,169
RIJKSUNIVERSITEIT GRONINGEN 2,999,428
RILEY, BRIAN 3,003,870
RILEY, BRIGIT E. 3,004,349
RIOCHET, DAVID 3,004,192
RITCHIE, JOHN 2,997,661
RITE-HITE HOLDING CORPORATION 3,004,141
RITE-HITE HOLDING CORPORATION 3,004,289
RITE-HITE HOLDING CORPORATION 3,004,608
RIVERO BUCETA, VIRGINIA 2,996,233
RIX, DOROTHEA ISABEL MAUD 2,994,470
RNA INC. 2,999,821
ROAM DATA, INC. 2,993,135
ROBB, STEVEN 2,998,712
ROBBERECHT, LIEVEN 2,985,559
ROBERT BOSCH GMBH 3,004,357
ROBERTS, CHRISTOPHER D. 3,004,492
ROBERTS, ESTEBAN 3,004,504
ROBERTSON, STEVE 2,997,158
ROBIN, FRANCOIS 2,993,919
ROBINSON, CHRIS 3,004,736
ROBITAILLE, MARTIN 3,004,509
ROBSON, PHILIP 2,995,927
ROCHAU, ANDREAS 3,004,089
ROCHEFORT, JEAN-MARC 2,996,588
ROCKWELL, ANTHONY LEE 3,004,434
RODRIGUEZ SANCHEZ, DARIANA GRACIELA 2,998,291
RODRIGUEZ, ABRAHAM 3,004,312
RODRIGUEZ, ABRAHAM 3,004,315
ROERDINK-LANDER, MONIQUE 3,004,336
ROESLER, ROBERTA 3,004,468
ROHM AND HAAS COMPANY 3,004,207
ROI MEIZOSO, LOUREIRO 2,995,162
ROLAND MURTEN AG 3,004,382
ROLANDO, GIOVANNI 2,991,854
ROLLE, ULRICH 3,004,119
ROLLI, GIAN PAOLO 2,998,105
ROLLI, STEFANO 2,994,389
ROMANO, JOSEPH 3,004,711
ROMAX TECHNOLOGY LIMITED 2,997,182
ROMBERGER, CHARLES 3,004,528
ROMER, TINA 3,004,671
ROMINE, JEFFREY LEE 2,991,467
ROMINE, JEFFREY LEE 2,994,512
RONDEAU, JEAN-MICHEL RENE 2,996,635
ROOS, FREDRIK 2,993,914
ROOS, THOMAS 3,004,365
ROQUES, SEBASTIEN 2,989,785
ROQUES, SEBASTIEN 2,992,930
ROQUETTE FRERES 2,991,739
ROQUETTE FRERES 2,995,162
ROSENBLATT, JACALYN 3,004,597
ROSENBLATT, JOEL 3,004,307
ROSENFELLNER, GERALD 3,004,666
ROSENTHAL, ARNON 3,003,458
ROSICKY, JIRI 2,996,246
ROSINGER, CHRISTOPHER HUGH 3,004,360
ROSS, GAVIN 2,999,681
ROSSI, TEEMU KALEVI 2,994,511
ROTACHROM TECHNOLOGIA KFT. 2,996,995
ROTH SHALEV, SIGAL 2,998,989
ROTH, STANLEY 3,004,226
ROTHBAUER, ULRICH 3,004,671
ROTHBERG, JONATHAN M. 3,004,636
ROTOLA-PUKKILA, JANI 2,994,511
ROTSAERT, CHRISTOPHER 2,993,135
ROUGHTON, ANDREW L. 3,004,641
ROUGHTON, ANDREW L. 3,004,714
ROUNTREE, RYAN 2,990,549
ROUVINSKI, ALEXANDER 2,988,499
ROUX, MATHIEU 2,993,488
ROVERE, FLORIAN 3,004,481
ROVI GUIDES, INC. 3,004,281
ROVINELLI, MASSIMILIANO 2,996,676

ROWE, ANDREW 3,004,254
ROY, SAMIR 3,004,364
ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE 2,997,348
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY 2,989,191
ROYAL UNITED HOSPITALS BATH NHS FOUNDATION TRUST 2,995,320
ROZENBERG, OHAD 3,004,529
ROZOWSKI, PETER M. 3,004,207
ROZSA, BALAZS 2,994,903
RU, YUANBIN 3,003,422
RUBENSTEIN, DAVID 2,993,288
RUBIN BEN HAIM, NIR 2,986,370
RUBIN BEN HAIM, NIR 2,986,514
RUBIN BEN HAIM, NIR 2,986,518
RUBIN, GREGORY ALAN 3,004,189
RUCKHEIM, MARKUS 3,004,137
RUDKIN, SCOTT 2,995,800
RUDKIN, SCOTT 2,997,207
RUETHER, FEELLY 3,004,795
RUETHER, FEELLY 3,004,802
RUF, BENJAMIN 3,004,671
RUFER, JARED 3,004,601
RUFFINI, ANDREA 2,994,049
RUHLMANN, DENIS 2,994,622
RUHRNOSSL, ERICH 2,993,238
RUISSEN, JOHANNES 2,996,837
RUIZENAAR, RUUD 2,996,495
RUNWAY BLUE, LLC 3,003,913
RUOHONIEMI, NINA 2,995,478
RUOTSALAINEN, JUSSI 2,995,032
RUSH, BRIAN 3,004,176
RUSH, BRIAN 3,004,177
RUSSELL, MARK 3,004,202
RUSSELL, WILLIAM P. 3,004,136
RUSSO, ENRICO 2,991,475
RUSSO, RAFFAELE 2,991,475
RYAN, KYLE J. 3,004,282
RYU, JEI MAN 2,997,549
RYU, KI MOON 2,995,675
S-BIOMEDICS 2,990,807
S.D. SIGHT DIAGNOSTICS LTD 2,998,829
S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A. 3,004,168
S.P.M. DRINK SYSTEMS S.P.A. 2,993,130
SABIC GLOBAL TECHNOLOGIES B.V. 2,993,131
SABINS, NINA CHI 3,004,117
SABINS, NINA CHI 3,004,134
SABINS, NINA CHI 3,004,138
SABIO, SERGE 3,004,824
SADEGHIFAR, HASAN 3,004,346
SAES, MARC 2,984,887
SAFRAN 3,004,161
SAFRAN 3,004,391
SAFRAN AIRCRAFT ENGINES 2,994,912
SAFRAN AIRCRAFT ENGINES 2,995,326
SAFRAN AIRCRAFT ENGINES 2,996,454
SAFRAN AIRCRAFT ENGINES 2,997,939
SAFRAN AIRCRAFT ENGINES 2,998,277
SAFRAN AIRCRAFT ENGINES 2,998,731
SAFRAN ELECTRICAL & POWER 2,998,440
SAFRAN ELECTRONICS & DEFENSE 3,004,825
SAFRAN HELICOPTER ENGINES 2,996,457
SAFRAN HELICOPTER ENGINES 2,997,164
SAFRAN HELICOPTER ENGINES 2,997,812
SAFRAN POWER UNITS 2,998,061
SAFRAN TRANSMISSION SYSTEMS 2,998,054
SAGBERG, HAKON 2,989,775
SAHIN, FIKRETTIN 2,995,924
SAIAH, EDDINE 2,995,153
SAIAH, EDDINE 2,996,389
SAIDA, NAOYUKI 2,996,485
SAINT-GOBAIN GLASS FRANCE 2,995,345
SAINT-GOBAIN GLASS FRANCE 2,995,471
SAINT-GOBAIN GLASS FRANCE 2,995,476
SAINT-GOBAIN GLASS FRANCE 2,995,655
SAINT-GOBAIN GLASS FRANCE 3,004,500
SAINT-GOBAIN GLASS FRANCE 3,004,508
SAINT-GOBAIN GLASS FRANCE 3,004,510
SAINT-GOBAIN GLASS FRANCE 3,004,664
SAINT-GOBAIN ISOVER 2,996,069
SAINT-GOBAIN PLACO 2,996,069
SAINT-GOBAIN PLACO 3,004,003
SAKAGUCHI YUKI 3,004,399
SAKAKIBARA, MICHIHIRO 2,995,045
SAKAMOTO, HIROKI 2,988,572
SAKSELA, KALLE 2,991,953
SALAMA, APOLLINE 3,004,192
SALIB, RAMI 2,990,326
SALLEE, RICHARD 3,004,787
SALMI, BJORN 2,991,462
SALOMONS, STEPHEN 2,993,502
SALSNES FILTER AS 3,003,993
SALVADOR, RENE 2,998,440
SAMAJDAR, SUSANTA 2,989,265
SAMANO, VICENTE 2,990,335
SAMP S.P.A. CON UNICO SOCIO 2,998,710
SAMSUNG ELECTRONICS CO., LTD. 2,981,449
SAMSUNG ELECTRONICS CO., LTD. 2,984,479
SAMSUNG ELECTRONICS CO., LTD. 2,992,969
SAMSUNG ELECTRONICS CO., LTD. 2,997,027
SAMSUNG ELECTRONICS CO., LTD. 3,004,656
SAMUEL, TINU MARY 3,004,043
SAMUEL, TINU MARY 3,004,044
SAMUEL, TINU MARY 3,004,046
SAMUMED, LLC 3,004,297
SAMUMED, LLC 3,004,506
SAMYANG BIOPHARMACEUTICALS CORPORATION 2,993,920
SAMYANG BIOPHARMACEUTICALS CORPORATION 2,993,923
SAMYANG BIOPHARMACEUTICALS CORPORATION 2,993,925
SAMYANG BIOPHARMACEUTICALS CORPORATION 2,993,928
SAMYANG BIOPHARMACEUTICALS CORPORATION 2,998,092
SANCHEZ MADRID, FRANCISCO 2,995,021
SANCHEZ, ROBERT 2,993,417
SANDERCOTT, MICHAEL 2,993,765
SANDERS, DAVID 2,997,174
SANDERS, DAVID 2,998,722
SANDERS, LISA 3,004,336
SANDERSON, KEVIN DAVID 2,993,411
SANDHOLZER, MARTINA 3,004,383
SANDNES, ANDERS 3,004,157
SANG, SHUHUA 2,989,846
SANGAMO THERAPEUTICS, INC. 3,004,349
SANGHANI, SUNIL 2,996,258
SANGSTER, JOHN DAVID 2,996,228
SANJABI, SAM 2,984,657
SANTOLUBES LLC 3,004,788
SANTORO, DOMENICO 3,003,993
SANTULLI-MAROTTO, SANDRA 3,004,117
SANTULLI-MAROTTO, SANDRA 3,004,134
SANTULLI-MAROTTO, SANDRA 3,004,138
SARAGAGLIA, AMAURY 2,990,168
SARATHY, SIVA RAJAN 3,003,993
SARGIOTTO, CHIARA 2,999,425
SARIGIANNIS, CATHERINE B. 3,004,415
SASOL TECHNOLOGY PROPRIETARY LIMITED 2,995,432
SASSER, WILLIAM 3,003,414
SASTRY, RAMESHA CHELUR RAMACHANDRA 2,996,400
SASTRY, RAMESHA CHELUR RAMACHANDRA 2,996,402
SASTRY, RAMESHA CHELUR RAMACHANDRA 3,004,047
SATHYANARAYANA, SHYAM 2,993,408
SAUKKONEN, ESA 2,995,435
SAUKKONEN, ESA 2,995,478
SAUSSET, FRANCOIS 2,996,069
SAVAGE, JOHN ROBERT 3,004,492

SAVELLI, PATRICK 2,990,763
SAVVY INC. 3,004,774
SCA FOREST PRODUCTS AB 3,004,244
SCA HYGIENE PRODUCTS AB 3,004,355
SCALES, STEPHANIE ANNE 2,994,917
SCANIO, MARC J. 2,991,273
SCARROTT, PETER 3,004,237
SCHAAFSMA, STEFAN HENDRIKUS 2,991,280
SCHAEVERBEKE, THIERRY 3,004,183
SCHAFER, DIRK 3,004,532
SCHAFFNER, AUSTIN CARL 3,004,709
SCHANN, STEPHAN 3,004,680
SCHECHTMAN, LUDMILA 2,992,419
SCHEERDER, ALEXANDER ALEIDA ANTONIUS 2,992,973
SCHELTES, JULIEN SERGE 2,997,314
SCHENK, FLORIAN 2,985,018
SCHIERING, NIKOLAUS 2,990,764
SCHILLER, CARSTEN 3,004,188
SCHILLER, DOMINIC 2,989,779
SCHILLER, DOMINIC 2,995,927
SCHIMPERNA, GIULIANA 3,004,472
SCHINDLER, JORDAN 3,003,397
SCHIRO, PATRICIA 3,004,751
SCHLEGEL, BERNARD 2,981,922
SCHLOSSBAUER, AXEL 3,004,123
SCHLOSSBAUER, AXEL 3,004,124
SCHLOSSBAUER, AXEL 3,004,125
SCHLUMBERGER CANADA LIMITED 3,004,112
SCHLUMBERGER CANADA LIMITED 3,004,133
SCHMAILZL, MARTIN 2,989,047
SCHMERINGA, PETER 2,996,259
SCHMETZ, JEAN-MICHEL 2,993,092
SCHMIDER, JOHN PAUL 3,004,774
SCHMIED, ANDREAS 3,004,119
SCHMITT, PAUL GUILLAUME 2,995,349
SCHNABEL, JAMES P., JR. 3,003,901
SCHNABEL, JR. JAMES P. 3,003,717
SCHNEEBERGER, JOHANNES P. 3,004,766
SCHNEID, STEFAN CHRISTIAN 3,004,789
SCHNEIDER, NORA 3,004,043
SCHNEIDER, NORA 3,004,044
SCHNEIDER, NORA 3,004,046
SCHNIDER, CHRISTIAN 3,004,503
SCHNIEDERS, BRITTA 3,004,781
SCHOEMER, MARTINA 2,993,408
SCHOENE, THOMAS 2,996,373
SCHONBORN, DAMIAN 2,998,113
SCHOO, STEVE J. 3,004,782
SCHOPF, THOMAS 3,004,128
SCHORKHUBER, JAKOB 2,998,192
SCHRIEWER, LEVIN 3,004,792
SCHROEDER, FRANCK 2,992,025
SCHUBERT, ULRICH 2,990,298
SCHUH, AUSTIN 3,004,051
SCHUH, CHRISTIAN 3,003,945
SCHULTZ, ROGER L. 2,995,151
SCHULZ, THOMAS 3,004,805
SCHUMACHER, JENNIFER F. 3,004,259
SCHUMACHER, JENNIFER F. 3,004,267
SCHUMM, STEPHAN GEORG 3,004,512
SCHUPPERT, ANNA 2,997,616
SCHUTZE, KERSTIN 3,004,792
SCHUURING, EDUARDUS MARIA DOMINICUS 2,999,428
SCHUZ, DAVID 2,995,794
SCHWAB, MARKUS 2,996,025
SCHWAB, MARKUS 2,996,028
SCHWAEBLE, HANS-WILHELM 3,004,753
SCHWARTZ, ERIC 2,996,454
SCHWARTZ, MARK 3,004,274
SCHWARZ, JORG 3,004,781
SCHWEBLEN, WILFRIED LIONEL 2,996,454
SCHWENZOW, UWE 3,004,119
SCIABOLA, SIMONE 2,989,456
SCINOPHARM TAIWAN, LTD. 2,994,217
SCOTT, DAVID D. 3,003,870
SCREATON, GAVIN 2,988,499
SCULPT B.V. 3,001,981
SEAL RYT CORPORATION 3,004,518
SEARCY, GUS 3,004,050
SEARLE, XENIA B. 2,991,273
SEARS, LORI 3,004,052
SEB S.A. 2,997,602
SEEDHOM, BAHAA BOTROS 2,992,517
SEGOVIA SANZ, JOSE CARLOS 3,004,171
SEIDT, JEREMY D. 3,003,720
SEINTURIER, ERIC PIERRE 2,996,457
SEITZ, JOCHEN 2,996,918
SELF-SCREEN B.V. 2,996,486
SELSE, DENNIS 3,004,195
SEMBLANT LIMITED 2,986,357
SEMERARO, TERESA 2,992,820
SEMERARO, TERESA 2,997,868
SEMERARO, TERESA 2,997,869
SEMINIS VEGETABLE SEEDS, INC. 3,004,752
SENGPIEL, ROBERT 3,004,802
SENTEC LTD 2,992,919
SEO, MIN HYO 2,993,920
SEO, MIN HYO 2,993,923
SEO, MIN HYO 2,993,925
SEO, MIN HYO 2,993,928
SEO, MIN-HYO 2,998,092
SERAVALLI, LORIS 2,995,316
SERGHINE, CAMEL 2,997,164
SERRA, JOE 3,004,484
SERRA, JOE 3,004,490
SES-IMAGOTAG 2,993,919
SETZ, CHRISTIAN 2,990,298
SEVER, LIONEL 2,992,025
SEVERAC, CHILDERICK 3,000,291
SEVINCLI, ATILLA 2,995,064
SFD SYSTEMS LIMITED 2,996,368
SFK LEBLANC A/S 2,993,906
SHAH, DAISY MANISH 2,993,304
SHALEV, ALON 3,004,821
SHALVIRI, ALIREZA 3,004,746
SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD. 3,004,804
SHANGHAI JIAO TONG UNIVERSITY 3,004,644
SHANGHAI JIAO TONG UNIVERSITY 3,004,650
SHANKAR, VENKAT 2,992,823
SHARBAUGH, DAVID ANDREW 3,004,265
SHARMA, ARVIND KUMAR 3,004,392
SHARMA, MANISH KUMAR 3,004,003
SHARMA, VARUNESH 3,004,064
SHARP KABUSHIKI KAISHA 3,004,582
SHAVER, MICHAEL P. 2,991,677
SHAW, STEPHEN 3,004,107
SHAY, THOMAS M. 3,003,907
SHEEN, JOON-HO 2,995,675
SHELDON, GLORIA 3,004,476
SHELKE, SANDEEP YADUNATH 2,993,304
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,004,598
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,004,679
SHEN, JUN 3,004,143
SHEN, YUQIAO 3,003,422
SHENFELD, AVNER 3,003,982
SHENG, XIJUN 3,004,372
SHENZHEN ROYOLE TECHNOLOGIES CO., LTD. 2,989,841
SHENZHEN SOLAR SMART TECHNOLOGY CO., LTD. 2,983,241
SHEPPARD, JULIE 3,004,309
SHERR, ELLIOTT 3,004,741
SHI, JACK GUOEN 3,004,083
SHI, YUCAI 3,004,693
SHIMEZAWA, KAZUYUKI 3,004,858
SHIMOKAWA, KENICHIRO 2,988,572
SHIN POONG PHARMACEUTICAL CO., LTD. 2,997,549
SHIN, DONG SUK 3,004,197
SHIN, DONG SUK 3,004,201
SHINDE, ANIL KARBHARI 2,997,956
SHINITZKY, MEIR (DECEASED) 2,992,419
SHINODA, KOSEI 2,994,372
SHINTAKU, YUTA 3,004,257
SHINTANI, PETER 3,004,639
SHIOZAKI, MARI 3,004,398
SHIOZAWA, YUUKI 3,004,535
SHIOZAWA, YUUKI 3,004,537
SHIRUDE, PRAVIN S. 2,991,468
SHIRVAN, MITCHELL 2,995,794
SHIVE, MATTHEW 3,004,849
SHOOTER, ADRIAN 2,995,150
SHORT BROTHERS PLC 2,997,679
SHORT BROTHERS PLC 2,998,712
SHORTT, BARRY J. 3,004,747
SHRIVER, ZACHARY HOLMES 3,004,790

SHUDARK, JEFFREY 3,004,773
SHURE ACQUISITION HOLDINGS, INC. 3,004,172
SHUTTLEWORTH, STEPHEN JOSEPH 2,995,896
SHUTTLEWORTH, STEPHEN JOSEPH 2,995,898
SHUTTLEWORTH, STEPHEN JOSEPH 2,995,902
SHUTTLEWORTH, STEPHEN JOSEPH 2,995,909
SHUTTLEWORTH, STEPHEN JOSEPH 2,995,991
SIATECH 2,990,337
SIBLEY, GRAHAM EDWARD MORRIS 2,991,684
SIEBER, PATRICK 2,989,098
SIEFFERT, MARCUS 3,004,237
SIEK, TADEUSZ 2,992,549
SIEMER, DIRK 3,004,806
SIGLER, LAURENT 3,004,168
SIGMA CLERMONT 3,004,389
SIH, BRYAN 2,981,218
SIJBEN, JOHANNES MARIA FRANCISCUS 2,990,580
SIJBEN, JOHANNES MARIA FRANCISCUS 2,990,588
SIKORA, ANDREW G. 3,004,421
SIKORSKI, ROBERT 3,004,794
SILIXA LTD. 2,994,208
SILLAJEN, INC. 2,990,133
SILLAJEN, INC. 2,996,120
SILLIBOURNE, JAMES 2,995,775
SILLIBOURNE, JAMES 2,995,785
SILVA ZOLEZZI, IRMA 3,004,043
SILVA ZOLEZZI, IRMA 3,004,044
SILVA ZOLEZZI, IRMA 3,004,046
SILVA, FRANCK ALEXANDRE 2,995,896
SILVA, FRANCK ALEXANDRE 2,995,902
SILVA, FRANCK ALEXANDRE 2,995,909
SILVERNAIL, CARTER 3,004,336
SILVERNAIL, NATHAN J. 3,004,292
SILVERTOWN, JOSH 3,004,499
SILYE, JANOS 2,996,102
SIMANCIK, FRANTISEK 2,996,474
SIMONE, BRIAN ANDREW 3,004,067
SIMONETTI, MARCO 2,996,391
SINDER, DANIEL JARED 3,004,609
SINGH, AMIT 2,998,830
SINGH, HEMANT KUMAR 2,996,258
SINGH, LAURA 2,995,476
SINGH, SHAILENDRA VIKRAM 2,986,357
SINGORE, JAMES 2,989,673
SINHA, NEELIMA 2,991,232
SIRIPURAPU, SRINIVAS 3,004,844
SITA INFORMATION NETWORKING COMPUTING UK LIMITED 2,986,657
SIVAGURUNATHAN, KONESWARAN S. 3,004,499
SIVAIAH, POTRU 2,996,258
SIVANANDHAN, DHANALAKSHMI 2,997,531
SIVAPRAKASAM, PRASANNA 2,991,268
SIVAPRAKASAM, PRASANNA 2,994,512
SIVAPRAKASAM, PRASANNA 2,995,099
SIVERKLEV, JOHAN 3,004,827
SKELT, CHRISTOPHER HUGH 3,004,495
SKINNER, RYAN 2,997,380
SKINNER, RYAN 3,004,228
SKOGSTROM, PETER 2,996,914
SKOLD, JOHAN 3,003,390
SKRYPNYK, NATALIYA 3,003,405
SKUGOR, STANKO 2,997,521
SKY CP LIMITED 3,004,715
SKYCOM CORPORATION 3,004,419
SLADE, CHARLES J. 3,004,193
SLATTEGARD, RIKARD 2,998,989
SLEIJSTER, HENRY 3,004,181
SLEIJSTER, HENRY 3,004,662
SLOMCZYNSKA, URSZULA J. 3,004,747
SMARTT, BRIAN 3,004,051
SMEETS, FLORIAN 3,004,502
SMEETS, FLORIAN 3,004,515
SMIAROWSKI, ADAM 2,996,023
SMIGLAK, MARCIN 2,993,634
SMITH, ALEXANDER D. 2,994,364
SMITH, BRIAN 2,993,147
SMITH, DANIEL 3,004,711
SMITH, JAMES GORDON CHARTERS 2,990,997
SMITH, KEVIN 2,994,103
SMITH, KEVIN 2,994,109
SMITH, PETER G. 3,004,623
SMITH, PETER GEORGE ROBIN 2,994,501
SMITH, ROBIN 2,997,661
SMITH, RONALD T. 2,989,278
SMITH, WILLIAM ALFRED 3,001,104
SMITHS DETECTION-WATFORD LIMITED 2,992,520
SMS GROUP S.P.A 2,994,216
SNIR-ALKALAY, IRIT 2,994,644
SNOW, RICHARD H. 3,004,204
SNOWLINE CO., LTD. 3,002,519
SNYDER, MATT 3,004,268
SNYDER, RONALD P. 3,004,289
SNYDER, RONALD P. 3,004,608
SO, YOUNG-WAN 2,997,027
SOBOL, ROBERT E. 3,004,530
SOCIAL SENTINEL, INC. 3,004,538
SOCIETE BIC S.A. 2,996,758
SOHLSTROM, HANS 2,990,947
SOHN, STEPHEN W. 3,004,459
SOKOLOFF, BRUNO 3,004,616
SOKOLOWSKI, SUSAN 3,004,052
SOLAR-O-MATIC TECHNOLOGIE INC. 2,996,588
SOLETANCHE FREYSSINET 2,998,309
SOLLBERGER, ALEXANDER 3,004,380
SOLUTION SEEKER AS 3,004,157
SOMA, HIROYUKI 3,004,153
SOMANI, SANDEEP 2,993,907
SOMASUNDARAM, KIRAN 3,004,442
SOMECH, HAIM 3,004,529
SOMMER, PHILIPP 2,994,584
SON, JI-YEON 2,998,092
SON, MIN KI 2,988,214
SONAVANE, GHANASHYAM MADHUKAR 2,996,258
SONG, BYEONG CHEOL 2,996,446
SONG, HYESEUNG 2,994,688
SONY CORPORATION 2,990,319
SONY CORPORATION 2,996,400
SONY CORPORATION 2,996,401
SONY CORPORATION 2,996,402
SONY CORPORATION 3,003,937
SONY CORPORATION 3,003,951
SONY CORPORATION 3,004,047
SONY CORPORATION 3,004,142
SONY CORPORATION 3,004,187
SONY CORPORATION 3,004,241
SONY CORPORATION 3,004,588
SONY CORPORATION 3,004,592
SONY CORPORATION 3,004,639
SONY CORPORATION 3,004,847
SONY CORPORATION 3,004,858
SOON, JIA-MEI 3,004,508
SOON, JIA-MEI 3,004,510
SOONS, PETRUS CATHARINA GERLACH 2,991,280
SORENSEN, GARY P. 2,992,949
SORENSEN, PER AGGERHOLM 3,004,129
SORENSEN, STEVEN M. 3,003,913
SORIN GROUP ITALIA S.R.L. 2,991,854
SORRENTINO, STEFANO 2,995,551
SORRILL, LEVI 2,996,256
SOSNIAK, KRZYSZTOF 3,004,620
SOTO VELASCO, SERVANDO 3,004,777
SOUNDENERGY B.V. 2,998,707
SPANIELKA, JAN 2,996,474
SPATARA, MICHELLE 2,996,088
SPECIALITES PET FOOD 3,004,801
SPELLBOUND DEVELOPMENT GROUP, INC. 3,004,265
SPIELMANN, JAN 3,004,795
SPIELMANN, JAN 3,004,802
SPINAL STABILIZATION TECHNOLOGIES LLC 3,004,526
SPIRO-TECH MEDICAL INC. 3,004,445
SPITS, HERGEN 2,989,551
SPITZNER, JORG 2,996,124
SPORTAL SYSTEMS, LLC 3,004,586
SPRAGUE, JACOB J. 3,004,492
SPRIO, SIMONE 2,994,049
SPYVEE, MARK 2,991,468
SQUAREHEAD TECHNOLOGY AS 3,003,966
SRINIVASA, SIDDHARTHA 3,004,711
SRINIVASARAO, MADDURI 2,993,131
SROUJI, SAMER 3,004,590
ST. HILAIRE, PIERRE 3,004,319
ST. LAURENT, DENIS R. 2,991,467
ST. LAURENT, DENIS R. 2,994,512
STABLER, BENJAMIN STUART 3,003,712
STACKLER, MARC 3,004,791
STAFFORD, JEFFREY ALAN 3,004,300
STAHL, EDWARD L. 3,004,402

STAMER, ARNE 3,004,806
STAMICARBON B.V. 2,991,280
STAMICARBON B.V. 2,992,973
STANCZYK, TOMASZ 3,000,156
STANDARD BRANDS (UK) LIMITED 2,995,323
STANEK, GANYMED 3,004,051
STANGE, WERNER 3,004,302
STANISLAW, STACEY 3,004,504
STANKIEWICZ, BRIAN J. 3,004,259
STANKIEWICZ, BRIAN J. 3,004,267
STANLEY, MATHEW 3,000,601
STANLEY-WALL, NICOLA 2,995,438
STAPLES, IAN 2,990,326
STASZOR, ROMAN 2,995,440
STAUB, ANDREA J. 3,004,052
STAUB, STEFAN 3,004,365
STAVROU, PETROS 2,998,781
STEED, MICHAEL A. 3,004,511
STEGEMOELLER, CALVIN L. 3,004,709
STEIN, JEFFREY MICHAEL 3,004,747
STEIN, ROBERT 3,004,626
STEINMETZ, HARALD 2,994,584
STEMME, GORAN 2,990,947
STENVIK, RALPH A. 3,004,782
STEPANOVIC, LYDIA CARROL 3,004,090
STEPIEN, KAROL 3,000,156
STEVENS, REBECCA ELIZABETH 2,991,169
STEVENS, REBECCA ELIZABETH 2,991,293
STEVENSON, ALEX 2,988,693
STIMSON, WILLIAM 2,998,456
STOCKLI, MARTIN 3,004,380
STODDARD, THOMAS 2,998,825
STOLARSKA, OLGA 2,993,634
STORA ENSO OYJ 2,994,388
STORA ENSO OYJ 2,995,435
STORA ENSO OYJ 2,995,437
STORA ENSO OYJ 2,995,478
STORTELERS, CATELIJNE 3,004,792
STOTT, COLIN 2,992,802
STRAATHOF, MICHIEL HANNES 2,997,900
STRACHAN, FRANK 2,996,388
STRACHAN, JOHN SCOTT 3,004,614
STRATOPHASE LTD 2,994,501
STRIEMER, GRANT EDWARD ANDERS 3,004,483
STRIEMER, GRANT EDWARD ANDERS 3,004,606
STROHBACH, JOSEPH WALTER 2,996,389
STROHMAIER, KARL G. 3,004,308
STRUEMPER, HERBERT 2,994,635
STUBENRAUCH, KAY-GUNNAR 3,004,199
STUCKRATH, CARL 2,996,918
STUDER, CHRISTIAN 3,004,628
STUDER, PHILIPP 3,004,503
STURTZ, GREGORY P. 3,004,367
STURZENEGGER, PHILIP NOAH 2,997,520
STW S.R.L. 2,992,953
SU, BO 3,003,961
SUAU, JEAN-MARC 2,994,622
SUBRAMANIAN, RAMKUMAR 2,997,956
SUBRAMANIYAM, MAHESH 2,991,180
SUE, CASEY 3,004,787
SUE, HUNG-JUE 3,004,058
SUE, TRACY 3,004,787
SUEMORI, HIROFUMI 3,004,251
SUGIMOTO, TAKAHIRO 2,988,572
SULISTIO, ADRIAN 2,997,519
SULLIVAN, RYAN 3,004,148
SUN, CHEN 3,003,937
SUN, CHEN 3,003,951
SUN, CHEN 3,004,187
SUN, FEI 3,004,173
SUN, FUHUA 2,990,547
SUN, JUN 3,004,644
SUN, JUN 3,004,650
SUN, PIAOYANG 3,004,804
SUPERGRID INSTITUTE 2,994,372
SUPRIYO, DAS 3,004,207
SURDILA, SORIN 2,985,299
SURJAATMADJA, JIM BASUKI 3,004,255
SURRIRAY, LAURENT 2,996,016
SUSITAIVAL, RIIKKA 2,995,565
SUTTON, MICHAEL R. 3,004,834
SUUTALA, ANTTI 2,996,969
SUVEN LIFE SCIENCES LIMITED 2,997,956
SUZHOU ALTON ELECTRICAL & MECHANICAL INDUSTRY CO., LTD. 2,989,846
SUZHOU CSTAR GRAPHENE TECHNOLOGY CO., LTD. 2,999,904
SUZHOU SENIOR ELITE INFORMATION TECHNOLOGY CO., LTD 3,004,594
SUZHOU SUNCADIA BIOPHARMACEUTICALS CO., LTD. 3,004,804
SUZUKI, SHINKICHI 2,988,572
SUZUKI, TATSUYA 3,004,537
SVENSSON, CAMILLA 2,994,796
SVENSSON, CAMILLA 2,994,798
SWEARINGEN, CHRISTOPHER 3,004,297
SWEARINGEN, CHRISTOPHER 3,004,506
SWEENEY, TORRES 3,004,829
SWICK MINING SERVICES LTD 3,004,471
SWIFT, DAVID 3,004,289
SWIFT, DAVID 3,004,608
SWITKES, JOSHUA P. 3,004,051
SYLVESTER, KEVIN T. 3,004,292
SYMINGTON, KEITH 2,993,279
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,991,198
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,997,817
SYNAPTIVE MEDICAL (BARBADOS) INC. 3,004,167
SYNAPTIVE MEDICAL (BARBADOS) INC. 3,004,214
SYNDAX PHARMACEUTICALS, INC. 3,004,369
SYNERGY BLUE, LLC 3,004,484
SYNERGY BLUE, LLC 3,004,490
SYNVINA C.V. 2,988,392
SYNVINA C.V. 2,990,580
SYNVINA C.V. 2,990,588
SYSTEMS AND SOFTWARE ENTERPRISES, LLC 3,004,067
SYSTEMS AND SOFTWARE ENTERPRISES, LLC 3,004,089
SZAFRANIEC, JOANNA 2,992,705
SZALAY, GERGELY 2,994,903
SZETO, MARGARET 3,003,897
SZKLARZ, ANNE RENEE JEANNE 2,995,800
SZKLARZ, ANNE RENEE JEANNE 2,997,207
SZOSTKIEWICZ, LUKASZ 3,000,156
T3 BUILDING SOLUTIONS LIMITED 2,997,675
TACKE, LUDGER 3,004,119
TAGGART, LAURA 2,993,142
TAHER, SALAM GHAFOUR 2,991,183
TAI, CEDRIC 3,004,649
TAINI, ANDREA 2,996,858
TAIT, RUSSELL JOHN 2,997,519
TAKAHASHI, KAZUYUKI 3,004,847
TAKAKAWA, RYAN 2,993,417
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,988,572
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,992,700
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,993,312
TAKENAKA, MASANORI 3,004,286
TALLEVI, KEVIN 3,004,774
TAMAKI, EIICHIRO 2,998,724
TAMPIERI, ANNA 2,994,049
TAMPLENIZZA, MARGHERITA 2,997,384
TAN, FENG 3,004,143
TAN, HARRY 3,004,620
TANAKA, DAISUKE 3,004,539
TANAKA, JUNICHI 3,004,241
TANAKA, NOBUYUKI 3,004,288
TANAKA, SHO 2,996,400
TANAKA, SHO 2,996,401
TANAKA, SHO 2,996,402
TANAKA, SHO 3,004,047
TANAKA, YOSHIKAZU 3,004,042
TANGE, THOMAS OESTERGAARD 2,996,025
TANIOS, MICHAEL 3,004,052
TAO, WEIKANG 3,004,804
TARANTINO, GERMANO 2,995,314
TARASZKA, JOHN 2,994,516
TARCAU, BENONE 3,004,443
TARCAU, BENONE 3,004,447
TARGELL, JOHN 2,997,661
TARKETT B.V. 2,990,159
TARSI, LUCA 2,992,820
TARSI, LUCA 2,997,869

TATAT, OLIVIER 2,990,558
TAUNTON, JOHN W. 3,004,491
TAVARES, SABINA DE ANDRADE PEREIRA 2,996,025
TAVARES, SABINA DE ANDRADE PEREIRA 2,996,028
TAVARES-GRECO, PAULA ALESSANDRA 3,004,300
TAVERNIER, JAN 3,003,969
TDF 2,994,728
TE CONNECTIVITY CORPORATION 3,004,605
TECH FLO CONSULTING, LLC 3,004,414
TECHNISCHE UNIVERSITAT WIEN 2,990,022
TECHNISCHE UNIVERSITAT WIEN 2,997,517
TECHNOLOGY IN MOTION LTD 2,996,246
TEHAN, BENJAMIN GERALD 2,993,484
TEHAN, BENJAMIN GERALD 2,994,143
TEHAN, BENJAMIN GERALD 2,994,203
TEISSEIRE, JEREMIE 2,995,345
TELEDYNE E2V SEMICONDUCTORS SAS 3,004,791
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 2,985,299
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 2,995,551
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 2,995,565
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 2,995,677
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 2,997,905
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,003,388
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,003,390
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,004,405
TELFER, EVELYN ELIZABETH 2,999,696
TELFER, GEORGE 2,996,785
TEMPESTA, LAURA 3,004,052
TEMPUS ENERGY LIMITED 2,985,426
TENSIVE SRL 2,997,384
TEOBALD, BARRY JOHN 2,994,203
TEOLAB 2,993,093
TERRY, RICHARD C. 3,004,285
TESA SE 3,003,945
TESTU, JEAN-MARC 2,990,558
TETHIS, INC. 3,004,346
TETTENBORN, CARSTEN 3,004,128
TEUFEL, BJORN 3,004,778
TEUFELBERGER SEIL GESELLSCHAFT M.B.H. 2,993,238
TEXAS A&M UNIVERSITY 3,004,058
TEXAS TECH UNIVERSITY SYSTEM 3,004,465
TEXTILE-BASED DELIVERY, INC. 3,003,397
THAKUR, RAGHU RAJ SINGH 3,004,381
THANDI, ROOHY 3,004,090
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,004,296
THE BRAUN CORPORATION 3,004,783
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 3,003,908
THE CHILDREN'S HOSPITAL OF PHILADELPHIA 3,004,438
THE CHILDREN'S HOSPITAL OF PHILADELPHIA 3,004,713
THE COCA-COLA COMPANY 3,004,411
THE EUCLID CHEMICAL COMPANY 3,004,841
THE FIRST INSTITUTE OF OCEANOGRAPHY, SOA 2,990,647
THE GENERAL HOSPITAL CORPORATION 3,004,425
THE GENERAL HOSPITAL CORPORATION D.B.A MASSACHUSETTS GENERAL HOSPITAL 3,004,738
THE GENERAL HOSPITAL CORPORATION D.B.A MASSACHUSETTS GENERAL HOSPITAL 3,004,772
THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRTARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,004,438
THE JACKSON LABORATORY 3,004,497
THE JAMES HUTTON INSTITUTE 2,993,160
THE LUBRIZOL CORPORATION 3,004,081
THE LUBRIZOL CORPORATION 3,004,269
THE LUBRIZOL CORPORATION 3,004,417
THE LUBRIZOL CORPORATION 3,004,729
THE LUBRIZOL CORPORATION 3,004,834
THE NANOSTEEL COMPANY, INC. 3,003,905
THE PROCTER & GAMBLE COMPANY 3,004,074
THE PROCTER & GAMBLE COMPANY 3,004,076
THE PROCTER & GAMBLE COMPANY 3,004,291
THE PROCTER & GAMBLE COMPANY 3,004,304
THE PROCTER & GAMBLE COMPANY 3,004,313
THE PROCTER & GAMBLE COMPANY 3,004,318
THE PROCTER & GAMBLE COMPANY 3,004,463
THE PROCTER & GAMBLE COMPANY 3,004,483
THE PROCTER & GAMBLE COMPANY 3,004,606
THE QUEEN'S UNIVERSITY OF BELFAST 3,004,381
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,989,673
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,004,491
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,004,741
THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA 3,004,053
THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE NAVY 3,004,305
THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH 2,991,677
THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH 2,995,438
THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH 2,999,696
THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH 3,003,955
THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH 3,003,964
THE UNIVERSITY OF BRITISH COLUMBIA 3,004,482
THE UNIVERSITY OF BRITISH COLUMBIA 3,004,496
THE UNIVERSITY OF BRITISH COLUMBIA 3,004,498
THE UNIVERSITY OF BRITISH COLUMIBA 3,004,493
THE UNIVERSITY OF BRITISH COLUMIBA 3,004,494
THE UNIVERSITY OF BRITISH COLUMIBA 3,004,593
THE UNIVERSITY OF MASSACHUSETTS 3,004,585
THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 3,004,422
THE UNIVERSITY OF NOTTINGHAM 2,996,436
THE, ROGIER ANTOINE FLORIS 3,004,505
THEODORE, JAMES CHANCE 3,004,610
THERAKIND LTD 3,002,493
THIEBAUT, LAURENT 3,004,359
THIMMAIAH, GOVINDARAJU 2,996,665
THIMMAIAH, GOVINDARAJU 2,996,666

Index of PCT Applications Entering the National Phase

THIRIET, ROMAIN 2,996,457
THIRUMALAI, VIJAYARAGHAVAN 3,004,185
THOMAS, ABRAHAM 2,993,304
THOMAS, MICHAEL P. 3,004,623
THOMAS, ROBERT CHARLES LLEWELYN 3,004,198
THOMAS, SIMON 2,995,785
THOMAS, SIMON CHARLES STEWART 2,995,141
THOMPE B.V. 3,004,194
THOMPSON, JOHN P. 3,004,283
THOMPSON, JOHN P. 3,004,294
THOMPSON, JOHN P. 3,004,470
THOMPSON, PETER ARMSTRONG 3,004,830
THOMSON LICENSING 3,004,793
THREADLESS CLOSURES LIMITED 2,992,817
THRU TUBING SOLUTIONS, INC. 2,995,151
THULE SWEDEN AB 2,993,903
THULE SWEDEN AB 2,993,904
THURSTON, DAVID EDWIN 2,996,406
TIAN, MINMIN 3,004,476
TIAN, XINRONG 2,990,474
TIGER TOOL INTERNATIONAL INCORPORATED 3,004,780
TILEKAR, AJAY RAMCHANDRA 2,991,232
TILLE, STEFAN 3,004,503
TILTON, JEFFREY A. 3,004,434
TINGLE, JAMES 2,996,472
TIVADAR, SILVANA 2,996,436
TIVITMAHAISOON, PARCHAREE 3,004,623
TOBOLKA, PETER 2,996,474
TOCCHIO, ALESSANDRO 2,997,384
TOHOKU UNIVERSITY 3,000,121
TOLKIN, BRIAN 3,004,098
TOMAZETICH, MARIO 2,994,021
TOME, WOLFGANG 3,004,458
TOMMASI, LUCA 3,004,852
TONKIN, TREVOR GRAHAM 3,004,112
TOPORIK, AMIR 2,991,980
TORAL MARTIN, CRISTIAN 2,993,410
TORAY INDUSTRIES, INC. 2,998,724
TORAY INDUSTRIES, INC. 3,004,257
TORELLI, STEPHANIE 2,997,602
TORGUE, JULIEN 3,004,689
TORRE AMIONE, GUILLERMO 2,998,291
TORRENT PHARMACEUTICALS LIMITED 2,997,364
TORRENT PHARMACEUTICALS LIMITED 2,997,463
TORRES, VLADIMIR 2,993,137
TORTILLARD, DAVID 2,994,047
TOSADO, NEFTALI 3,004,302
TOTAL MARKETING SERVICES 2,997,494
TOTAL MARKETING SERVICES 2,998,442
TOYOFUKU, MASASHI 2,992,700
TRAC GROUP HOLDINGS LTD 3,001,144
TRAGGIAI, ELISABETTA 2,995,795
TRAMA ENGINEERING S.R.L. 2,996,676
TRANS UNION LLC 3,004,599
TRAXL, ROBERT 2,993,238
TREASURER, URVEE Y. 3,004,178
TREECE, ICHARD J. 2,991,960
TREVISIOL, EMMANUELLE 3,000,291
TRIETSCH, SEBASTIAAN JOHANNES 2,991,876
TRIGATTI, FABIO 2,994,216
TRIGINER BOIXEDA, JORGE 2,993,410
TRIKOSKO, WALTER 3,004,622
TRIPATHI, ANIL 2,998,830
TRIVEDI, PRERAK DIWAKAR 3,003,897
TROUNSON, ALAN 3,004,120
TRUCHETET, MARIE-ELISE 3,004,183
TRUCHON, JEAN-FRANCOIS 2,988,680
TRUDELL MEDICAL INTERNATIONAL 3,004,237
TRZUPEK, JOHN DAVID 2,995,153
TRZUPEK, JOHN DAVID 2,996,389
TSUBAKIYAMA, RYOHEI 3,004,398
TSUKERMAN, PINCHAS 2,997,130
TSURUSHITA, NAOYA 3,004,743
TU, YONG 2,991,464
TU, YONG 2,995,099
TU, YONG 2,995,790
TUAILLON, EDOUARD 2,988,781
TUCHSCHERER, FRED 3,004,841
TUFFILE, CHARLES D. 3,003,905
TUFTS MEDICAL CENTER 3,003,465
TUFTS UNIVERSITY 3,003,465
TULL, GRAHAM 2,992,510
TULL, GRAHAM 2,992,512
TUNABLE INFRARED TECHNOLOGIES AS 3,004,523
TURNER, CURT 3,004,311
TUTON, JOHN 3,001,098
TUZIKOV, ALEXANDER BORISOVICH 3,004,107
TWINCORE, ZENTRUM FUR EXPERIMENTELLE UND KLINISCHE INFEKTIONSFORSCHUNG 3,004,805
TWINWALL ICF LIMITED 3,000,896
TWO BLADES FOUNDATION 3,003,903
TYSTAD, CRAIG 3,004,175
TYULYAEVA, EKATERINA 2,994,508
TYULYAEVA, EKATERINA 2,994,511
TZUR, ITAI 2,986,370
U.R, ANOOP 2,994,251
UBANI, ENRIQUE ZUDAIRE 3,004,117
UBANI, ENRIQUE ZUDAIRE 3,004,134
UBANI, ENRIQUE ZUDAIRE 3,004,138
UBER TECHNOLOGIES, INC. 3,004,098
UBER TECHNOLOGIES, INC. 3,004,452
UCHIDA, RYO 3,004,539
UCHIYAMA, HIROMASA 3,004,588
UDP GOLLER 3,004,809
UGLANE, VIDAR THUNE 3,004,157
ULINSKAS, VIT 2,992,812
ULIS 2,990,168
ULUXUS LLC 2,983,241
UM, HYE WON 2,990,376
UM, HYE WON 2,992,970
UNG, WARREN LLOYD 3,004,347
UNILEVER BCS LIMITED 3,004,155
UNILEVER BCS LIMITED 3,004,358
UNILEVER BCS LIMITED 3,004,373
UNILEVER BCS LIMITED 3,004,505
UNILEVER PLC 3,004,512
UNITED ARAB EMIRATES UNIVERSITY 2,995,643
UNITED ARAB EMIRATES UNIVERSITY 2,995,646
UNITED STATES GYPSUM COMPANY 3,004,254
UNIVERSIDAD AUTONOMA DE MADRID 2,995,021
UNIVERSIDAD DE LOS ANDES 2,998,275
UNIVERSIDAD IBEROAMERICANA, UNIBE 3,004,376
UNIVERSITA' DEGLI STUDI DI FIRENZE 2,993,902
UNIVERSITAT HAMBURG 2,998,230
UNIVERSITAT WIEN 3,004,630
UNIVERSITE BLAISE PASCAL CLERMONT II 3,004,389
UNIVERSITE CLAUDE BERNARD LYON 1 2,993,871
UNIVERSITE CLAUDE BERNARD LYON 1 2,994,914
UNIVERSITE DE BORDEAUX 2,994,246
UNIVERSITE DE BORDEAUX 3,004,183
UNIVERSITE DE LILLE 2 DROIT ET SANTE 2,985,559
UNIVERSITE DE MONTPELLIER 2,988,781
UNIVERSITE DE MONTPELLIER 2,997,616
UNIVERSITE DE MONTREAL 3,004,641
UNIVERSITE DE MONTREAL 3,004,714
UNIVERSITE DE NANTES 3,004,192
UNIVERSITE DE RENNES 1 2,994,728
UNIVERSITE DE TOULON 3,004,386
UNIVERSITE DE VALENCIENNES ET DU HAINAUT-CAMBRESIS 2,985,559
UNIVERSITE GRENOBLE ALPES 2,991,524
UNIVERSITE GRENOBLE ALPES 2,995,343
UNIVERSITE PARIS-SUD 2,988,499
UNIVERSITEIT GENT 3,003,969
UNIVERSITEIT MAASTRICHT 3,004,786
UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED 3,003,965
UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN 2,989,271

UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN 3,004,829
UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS 2,985,139
UNIVERSITY MEDICAL CENTER HAMBURG - EPPENDORF 3,004,792
UNIVERSITY OF DUNDEE 3,000,601
UNIVERSITY OF DUNDEE 3,002,315
UNIVERSITY OF DUNDEE 3,002,318
UNIVERSITY OF LEICESTER 3,004,753
UNIVERSITY OF MARIBOR 2,997,124
UNIVERSITY OF RIJEKA FACULTY OF MEDICINE 2,997,130
UNIVERSITY OF SHEFFIELD 2,997,377
UNIVERSITY OF SOUTH AUSTRALIA 2,994,023
UNIVERSITY OF TASMANIA 3,004,643
UNIVERSITY OF ULSTER 2,993,759
UNIVERSITY OF VIRGINIA PATENT FOUNDATION 3,004,745
UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY 2,998,841
UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY 2,998,877
UNIWERSYTET JAGIELLONSKI 2,992,705
UNIWERSYTET WARSZAWSKI 2,998,293
UOP LLC 3,004,459
UOP LLC 3,004,603
UOP LLC 3,004,607
UOP LLC 3,004,611
UOP LLC 3,004,625
URADE, VIKRANT NANASAHEB 3,004,679
URBAN, FRANTISEK 3,002,593
URBANSKI, JOHN PAUL 2,995,553
URSIN-HOLM, STINE 3,004,157
USA INDUSTRIES, INC. 3,004,787
USMIMA, S.L. 2,997,665
USTAV MATERIALOV A MECHANIKY STROJOV SAV 2,996,474
UWI TECHNOLOGY LIMITED 3,004,816
V. MANE FILS 2,992,522
V. MANE FILS 2,992,699
VACCA, JOSEPH 2,994,644
VACCA, JOSEPH 3,004,095
VADERSTAD HOLDING AB 2,997,033
VADIVELU, SARAVANAN 2,997,531
VAILLANCOURT, LOUIS 2,988,680
VAIQUE, EMILIE 2,993,488
VAKNIN, ILAN 2,991,980
VALADE, DAVID 2,997,519
VALADE, FREDERIC 3,004,342
VALBERG, STEFAN 2,997,033
VALEMBOIS, GUY 2,995,164
VALERO, REMI 2,992,025
VALLEE, FREDERIC 2,988,680
VALLOIR, NICOLAS 2,993,488
VALLOUREC OIL AND GAS FRANCE 3,003,958
VALLVE, NIL 2,993,410
VALMET AB 3,003,581
VALMET AKTIEBOLAG 3,004,247
VAMSI KRISHNA, BANDI 2,995,662
VAN ADRICHEM, PAULUS JACOBUS MARIA 2,994,686
VAN ADRICHEM, PAULUS JACOBUS MARIA 2,996,261
VAN ADRICHEM, PAULUS JACOBUS MARIA 2,996,262
VAN ADRICHEM, PAULUS JACOBUS MARIA 2,996,264
VAN ADRICHEM, PAULUS JACOBUS MARIA 2,996,265
VAN DEN BERG, EDUARDO ALEXANDER 2,993,129
VAN DEN BERG, KAREL 2,994,686
VAN DEN BERG, KAREL 2,996,261
VAN DEN BERG, KAREL 2,996,262
VAN DEN BERG, KAREL 2,996,264
VAN DEN BERG, KAREL 2,996,265
VAN DER WAAL, JAN CORNELIS 2,995,560
VAN DER ZEE, ATE GERARD JAN 2,999,428
VAN DIJK, PETER JOHANNES 2,996,806
VAN DOORN, JOHANNES ELISABERT 2,989,540
VAN DOORN, JOHANNES ELISABERT 2,991,870
VAN DRIEL, CHRISTOFFEL ADRIANUS 2,997,900
VAN DUN, CORNELIS MARIA PETRUS 3,004,165
VAN DUN, CORNELIS MARIA PETRUS 3,004,169
VAN GOOL, MICHIEL LUC MARIA 3,003,962
VAN GOOL, MICHIEL LUC MARIA 3,003,998
VAN HEEKE, GINO ANSELMUS 2,996,635
VAN HELDEN, PAULA MARIA WILHELMINA 2,989,551
VAN HOYWEGHEN, DANNY 3,004,086
VAN LOO, PIETER FOKKO 2,991,880
VAN LOON, ACHIEL J.M. 3,004,086
VAN LOON, JOHANNES JOZEPHUS GERARDUS 2,995,802
VAN RYN, EMMA CHRISTINA 3,004,090
VAN THOURNOUT, MICHEL 3,004,624
VAN TOL, ERIC A.F. 3,004,062
VAN TOL, ERIC A.F. 3,004,722
VAN TOL, ERIC A.F. 3,004,737
VAN TOL, ERIC A.F. 3,004,740
VAN TUNEN, ADRIANUS JOHANNES 2,996,806
VAN VELZEN, TOM 3,004,194
VAN VLASSENRODE, KRISTOF 2,996,024
VANADIS DIAGNOSTICS 2,993,914
VANDENBROECK, JAN 3,004,784
VANDERBILT UNIVERSITY 3,003,405
VANDERSTRAETEN, ERWIN 3,004,779
VANEY, MARIE-CHRISTINE 2,988,499
VANKEMMELBEKE, MIREILLE 2,996,436
VANLUE, DUKE 3,004,370
VANNEMAN, MATTHEW 3,004,148
VARDHAN, ANURAG 3,004,485
VARGAS, RICHARD M. 3,004,292
VASKO, ROBERT 3,004,489
VASLIN-CHESSEX, ANNE 2,991,846
VASQUES, RICARDO REYES 3,004,803
VASU, MADHU 3,003,917
VAUGHN, ROGER 3,004,328
VAZQUEZ, DANIEL CRESPO 2,985,959
VAZQUEZ, JOSE H. 2,996,388
VAZQUEZ, MANUEL PEREZ 3,004,641
VAZQUEZ, MANUEL PEREZ 3,004,714
VEAL, JAMES MARVIN 3,004,300
VECCHIO, CHRISTOPHER J. 3,004,627
VEIGA CHACON, ESTEBAN 2,995,021
VELAGAPUDI, PRASANNA 3,004,711
VELEZ, MARIO FRANCISCO 3,004,764
VENKAT NARSIMHA REDDY, ADULLA 2,995,662
VENKATARAMAN, SASHIKUMAR 3,004,281
VENKATARANGANNA, M.V. 2,993,922
VENKATESHAPPA, CHANDREGOWDA 2,998,705
VENNER MEDICAL TECHNOLOGIES SA 2,995,568
VENTANA MEDICAL SYSTEMS, INC. 3,004,504
VENTORA TECHNOLOGIES AG 2,994,660
VENZMER, JOACHIM 3,004,188
VEPSALAINEN, JOUKO 2,996,811
VERBEEK, JOOST 3,003,962
VERBEEK, JOOST 3,003,998
VERDIER, ANTOINE 2,998,061
VERES, BENJAMIN 3,004,841
VERESS, MATE 2,994,903
VERHEEZEN, JACOBUS JOHANNES ADRIANA MARIA 2,989,390
VERHOEST, PATRICK ROBERT 2,989,456
VERHOEVEN, EDWIN GERT JAN 2,995,802
VERMA, KAVITA 2,994,251
VERNON, FREDRICK MICHAEL JOSEPH 2,995,323
VERNON, PAUL JOHN EDWARD 3,004,483
VERONA, RALUCA 3,004,117
VERONA, RALUCA 3,004,134
VERONA, RALUCA 3,004,138
VERRENCY HOLDINGS LIMITED 2,998,295

VERTEX PHARMACEUTICALS INCORPORATED 2,988,680
VESTAS WIND SYSTEMS A/S 2,997,643
VETTER, INGO 2,996,918
VIAUX, IVAN 3,004,454
VIB VZW 3,003,969
VIIV HEALTHCARE UK (NO.5) LIMITED 2,990,575
VIIV HEALTHCARE UK (NO.5) LIMITED 2,991,268
VIIV HEALTHCARE UK (NO.5) LIMITED 2,991,464
VIIV HEALTHCARE UK (NO.5) LIMITED 2,991,467
VIIV HEALTHCARE UK (NO.5) LIMITED 2,994,512
VIIV HEALTHCARE UK (NO.5) LIMITED 2,994,517
VIIV HEALTHCARE UK (NO.5) LIMITED 2,994,791
VIIV HEALTHCARE UK (NO.5) LIMITED 2,995,042
VIIV HEALTHCARE UK (NO.5) LIMITED 2,995,087
VIIV HEALTHCARE UK (NO.5) LIMITED 2,995,099
VIIV HEALTHCARE UK (NO.5) LIMITED 2,995,790
VIJAY, SAMEER 3,004,181
VIJAY, SAMEER 3,004,662
VILLARD, LOIC 2,997,939
VILLERT, SEBASTIEN 3,003,958
VILLEY, ISABELLE 3,004,366
VINCENT, PAUL R. 3,004,834
VIRDEE, SATPAL 3,000,601
VIRILITY MEDICAL LTD. 3,004,513
VISA EUROPE LIMITED 3,004,396
VISA INTERNATIONAL SERVICE ASSOCIATION 3,003,897
VISA INTERNATIONAL SERVICE ASSOCIATION 3,003,917
VISHWAKARMA, RAM 3,004,534
VISTERRA, INC. 3,004,790
VISWANATHAN, KARTHIK 3,004,790
VIT, STEFANO 2,994,913
VITA CHOCO KFT. 2,990,351
VIVARAIL LTD 2,995,150
VIVIANI ANSELMI, CHIARA 3,004,378
VLASAK, PAVEL 2,997,633
VOGEL, VITALI 3,004,363
VOGO 2,998,865
VOIGHT, ERIC 2,991,273
VOLEK, ROBERT 3,004,620
VOLFONI R&D EURL 2,990,541
VOLTRICS LTD 2,992,026
VON DER OHE, THOMAS 3,004,532
VON HARBOU, ERIK 3,004,503
VON SCHUCKMANN, ALFRED 3,004,785
VON WEGERER, JORG 2,990,298
VOORDEN, BERT-TEN 3,004,511
VORMANN, MARIANNE KATHARINA 2,991,876
VOSSELER, JULIAN 3,004,128
VOTOLATO, EARL J. 3,004,265
VOZIYAN, PAUL 3,003,405
VSH FITTINGS B.V. 2,996,837
VTS SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA 2,992,549
VULTO, PAUL 2,991,876
W. L. GORE & ASSOCIATES, INC. 3,004,146
W. L. GORE & ASSOCIATES, INC. 3,004,627
WAARA, ERIK ROLLMAN 2,991,856
WACKER, MATTHIAS 3,004,363
WADSWORTH, SIMON 2,997,521
WAGENAAR, BERTUS MICHIEL 2,990,159
WAGER, TRAVIS T. 2,989,456
WAGNER, THOMAS 3,004,711
WAKAMIYA, STANLEY KATSUYOSHI 3,004,084
WAKAMIYA, STANLEY KATSUYOSHI 3,004,335
WAKAMIYA, STANLEY KATSUYOSHI 3,004,337
WALDOWSKI, TIMOTHY JAMES 3,004,511
WALDRAFF, CHRISTIAN 3,004,360
WALK, ERIC 3,004,504
WALKE, DEEPAK SAHEBRAO 2,996,263
WALKER, STEVEN 2,989,388
WALKER, STEVEN 2,993,142
WALL, EMMA 3,004,836
WALLACE, DAVID MARK 3,004,297
WALLACE, DAVID MARK 3,004,506
WALLACE, WILLIAM ANGUS 2,992,517
WALMART APOLLO, LLC 3,004,139
WALMART APOLLO, LLC 3,004,179
WALMART APOLLO, LLC 3,004,283
WALMART APOLLO, LLC 3,004,294
WALMART APOLLO, LLC 3,004,470
WALSH, ALLAN 3,004,771
WALSH, MARIA 3,004,522
WALSH, TIMOTHY SIMON 3,003,955
WALSH, TIMOTHY SIMON 3,003,964
WAMAN, YOGESH 2,993,312
WANDLER, KLAUS 3,003,928
WANDSCHNEIDER, GUIDO 2,994,025
WANG, BINGYANG 2,990,547
WANG, CE 3,004,592
WANG, CHENGZHI 3,004,650
WANG, DONG 3,004,444
WANG, EVELYN 3,003,422
WANG, GANG 3,004,282
WANG, HAIBING 2,990,547
WANG, JE-WON 2,994,523
WANG, JINXIN 3,004,797
WANG, JOHN 3,004,623
WANG, KUAN HSUN 2,994,217
WANG, LAURENE 3,004,331
WANG, LICHUN 2,995,795
WANG, SHUDONG 2,994,023
WANG, TAO 2,990,575
WANG, TAO 2,991,467
WANG, TAO 2,994,791
WANG, TAO 2,995,042
WANG, TAO 2,995,087
WANG, TINGTING 2,998,871
WANG, XIANPING 3,004,367
WANG, XIAOBEI 3,004,444
WANG, XIAOCHUAN 2,993,502
WANG, XIAOFEI 3,004,147
WANG, XIAOLIN 3,004,649
WANG, XINGXING 3,004,147
WANG, XIULI 3,004,299
WANG, XUEHAI 3,004,372
WANG, XUEQING 2,991,273
WANG, YI-LAN 3,004,272
WANG, YONG 2,992,397
WANG, YONGCAI 3,004,492
WANG, YONGQIANG 2,995,795
WANG, YUAN 3,004,775
WANG, ZHENG 3,004,147
WANG, ZHENG 3,004,459
WANG, ZHONGYU 2,994,517
WANGLIN, YU 3,004,207
WARBURTON TECHNOLOGY LIMITED 3,001,104
WARDLEY, MICHAEL 2,996,785
WARNER, AMELIA WALL 3,003,885
WARNER, AMELIA WALL 3,004,479
WARREN, WESLEY JOHN 3,004,709
WASHINGTON, GEORG 3,004,484
WASHINGTON, GEORG 3,004,490
WATSON-MARLOW LIMITED 2,997,865
WAUGAMAN, CHARLES 3,004,289
WAWORUNTU, ROSALINE 3,004,062
WAYMAN, MALCOLM 2,991,960
WEATHERFORD U.K. LIMITED 2,994,902
WEBER, PATRICK 3,004,664
WEBER, PAUL 3,000,091
WEICHERT, JAMEY 3,004,458
WEIGL, MARKUS 2,994,734
WEIGL, MARKUS 2,994,764
WEIGUNY, SABINE 3,004,795
WEIGUNY, SABINE 3,004,802
WEILAND, ANDREA 3,004,362
WEISS, PIERRE 3,004,192
WEITZ, DAVID A. 3,004,347
WELLGUARD AS 2,997,901
WELLTEC A/S 3,004,803
WEN, JERROLD 3,004,657
WENDA OY 2,996,089
WENTWORTH, RICHARD 2,990,171
WERT, DAVID C. 2,996,256
WESTMAN, ANDERS 3,003,910
WHALE, ANDREW DAVID 2,995,898
WHALE, ANDREW DAVID 2,995,991
WHALLEY, BENJAMIN 2,992,802
WHEATLEY, BARRY L. 2,989,278
WHEATLEY, CHARLES EDWARD 3,003,882
WHILDING, LYNSEY MAY 2,993,746
WHISPERSOM CORPORATION 3,004,536
WHITE, BRANDON DOUGLAS 3,004,591
WHITE, MICAELA 3,004,141
WHITE, ROBERT 2,996,758
WHITEHEAD, DAVID 2,997,413
WHITELOCK, STEVE 2,994,103

WHITELOCK, STEVE 2,994,109
WHITTAKER, PAUL 3,003,976
WHITTINGTON, CHARLES 3,004,254
WHITWORTH, DAVID 2,982,431
WHITWORTH, DAVID 2,984,465
WIEGEL, AARON J. 3,004,289
WIEGEL, AARON J. 3,004,608
WIEHAGEN, KARLA R. 3,004,117
WIEHAGEN, KARLA R. 3,004,134
WIEHAGEN, KARLA R. 3,004,138
WIEMANN, HENNING 2,995,565
WIERZYNSKI, CASIMIR MATTHEW 3,004,262
WILDE, ZACHARY 3,004,178
WILEMAN, RICHARD 2,994,776
WILHELMI, MATTHEW 3,004,440
WILHELMS, MARKUS 2,997,665
WILLEMS, HENDRIKA MARIA GERARDA 2,988,373
WILLIAMS, DREW 3,004,346
WILLIAMS, IAN ROSS 2,993,411
WILLIAMS, ROBIN 2,992,802
WILLIAMSON, RANDAL SCOTT 3,004,180
WILLOUGHBY, ALASTAIR 2,997,514
WILLS-GUY, DEANN 3,004,311
WILM, PATRICK 3,004,781
WILMINGTON, GUY 3,004,758
WILSON, ANDERS 2,992,973
WILSON, DANIEL J. 2,992,949
WILSON, DAVID SCOTT 2,998,066
WILSON, DOUGLAS 2,984,086
WILSON, DOUGLAS 3,003,721
WILSON, KEVIN J. 3,003,721
WILSON, MATTHEW SHAWN 3,004,189
WILSON, ROBERT SAMUEL 2,997,679
WILSON, SCOTT 3,004,481
WILSON, TROY DOUGLAS 3,004,749
WINDHAB, ERICH 3,004,382
WINDLE, JESSE 3,004,350
WING SING TSANG, RICKY 3,004,191
WINN, ALEXANDER LEE 3,004,049
WINSTANLEY, CRAIG 2,990,743
WINTER, NATALIE ADELE 2,995,424
WIRDNAM, CORINA DANIELA 2,996,025
WIRDNAM, CORINA DANIELA 2,996,028
WISCONSIN ALUMNI RESEARCH FOUNDATION 3,004,458
WISER, OFER 2,993,912
WISMAN, GIJSBERTHA BARENDINA ALIDA 2,999,428
WISNIEWSKI, PAWEL 3,004,806
WISSE, DIK-JAN 2,994,686
WISSE, DIK-JAN 2,996,261
WISSE, DIK-JAN 2,996,262
WISSE, DIK-JAN 2,996,264
WISSE, DIK-JAN 2,996,265
WITHEY, GARY 3,004,310
WITT, JOHN 2,981,760
WITTMANN, JOHANNES 2,990,573
WITTY, CHRISTOPHER 2,995,800
WITTY, CHRISTOPHER 2,997,174
WITTY, CHRISTOPHER 2,997,207
WITTY, CHRISTOPHER 2,998,722
WM. WRIGLEY JR. COMPANY 3,004,476
WOBBEN PROPERTIES GMBH 3,004,184
WOBBEN PROPERTIES GMBH 3,004,600
WODLINGER, BRIAN 3,004,657
WOERDENBAG, HERMAN JOHAN 3,001,981
WOHLFAHRT, GERD 2,989,265
WOLLACOTT, ANDREW M. 3,004,790
WOLTER, MIRCO 2,994,584
WONG, JOSHUA 3,004,649
WONG, KIAN-MING 3,004,736
WOOD, KURT ARTHUR 3,004,844
WOOD, MICHAEL FRANK GUNTER 3,004,167
WOOLFORD, ALISON JO-ANNE 2,988,373
WOOLFORD, ALISON JO-ANNE 2,988,374
WOOLLEY, SIMON 2,997,174
WOOLLEY, SIMON 2,998,722
WORLDVU SATELLITES LIMITED 2,993,628
WORLDVU SATELLITES LIMITED 2,994,364
WORMANN, PHILIPP 3,004,377
WORTMANN, JUERGEN 3,004,802
WORTMANN, JURGEN 3,004,795
WOUGAMON, JAKE 3,004,268
WOZENCROFT, ROBERT 3,004,404
WOZENCROFT, ROBERT 3,004,406
WOZENCROFT, ROBERT 3,004,409
WR SYSTEM CO., LTD 2,989,998
WRACK, PHIL 2,981,241
WRH WALTER REIST HOLDING AG 3,003,942
WRIGHT MEDICAL TECHNOLOGY, INC. 3,004,736
WRIGHT, STEPHEN 2,989,779
WRIGHT, STEPHEN 2,995,927
WRIGHT, STEPHEN WAYNE 2,996,389
WU, CHIA-YUNG 3,004,491
WU, DANQING 2,995,795
WU, HAO 3,004,173
WU, LIFANG 3,004,173
WU, QILONG 2,995,795
WU, SAREINA CHIUNG-YUAN 3,004,665
WU, SHENG-JIUN 3,004,117
WU, SHENG-JIUN 3,004,134
WU, SHENG-JIUN 3,004,138
WUEEST, THOMAS 3,003,969
WUERKER, SASCHA 2,996,537
WUERTHNER, JENS 2,991,715
WUPATEC 2,986,053
WURM, JOHANN 3,004,666
WURNITSCH, CHRISTOF 3,004,181
WURNITSCH, CHRISTOF 3,004,662
WYLER, GREGORY 2,993,628
WYLIE, BENJAMIN 2,997,677
WYTHES, MARTIN 2,994,917
XEROS LIMITED 2,993,408
XIA, HANGUI 3,004,372
XIAO, QIANG 3,004,372
XIAO, YUNQIU 3,004,592
XIE, LI 3,004,363
XIE, XINMIN 3,004,448
XIE, ZIHAO 2,990,547
XIONG, HANQING 3,004,374
XIROS LIMITED 2,992,517
XU, DONGCHUN 2,999,904
XU, FANGMIN 2,994,516
XU, FANGMIN 2,995,795
XU, HUAWEN 2,990,547
XU, JIN 3,004,142
XU, SHAOYU 3,004,804
XU, TIAN 3,004,636
XU, WEI 3,004,488
XU, XIAODONG 3,004,592
XU, YILING 3,004,644
XU, YILING 3,004,650
XU, YONG 3,004,372
YAKHEL, VADIM 2,986,527
YAKHEL, VADIM 2,987,198
YAMADA, MASAMI 2,988,572
YAMAOKA, IPPEI 3,004,153
YAN, HONGXING 2,988,373
YAN, HONGXING 2,988,374
YANAMANDRA, NIRANJAN 2,994,635
YANAMANDRA, NIRANJAN 2,994,910
YANG, FEIFEI 3,004,147
YANG, GAOQIANG 3,004,641
YANG, GAOQIANG 3,004,714
YANG, HEE KYUNG 3,004,656
YANG, HYUN-KOO 2,997,027
YANG, HYUNMO 2,993,929
YANG, LING 3,004,173
YANG, SEOK WOO 2,996,937
YANG, YOUNG LYEOL 2,990,376
YANG, YOUNG LYEOL 2,992,970
YANG, ZHENGYI 2,985,139
YANG, ZHIGUO 2,990,647
YANG, ZHONGWEN 3,004,372
YAO, CHUNHUA 3,004,525
YAO, HAIQING 3,004,058
YAP COMPANY 2,997,272
YAZICI, YUSUF 3,004,297
YAZICI, YUSUF 3,004,506
YEDA RESEARCH AND DEVELOPMENT CO. LTD. 2,992,419
YEDITEPE UNIVERSITESI 2,995,924
YELESWARAM, KRISHNASWAMY 3,004,083
YEOH, IVAN L. 3,004,271
YEOH, IVAN L. 3,004,278
YEUNG, MING C. 2,991,273
YI, YIL WOONG 2,993,920
YI, YIL WOONG 2,993,923
YI, YIL WOONG 2,993,925
YI, YIL WOONG 2,993,928
YIN, ZHIWEI 2,990,575
YIN, ZHIWEI 2,994,791
YIN, ZHIWEI 2,995,042
YIN, ZHIWEI 2,995,087

YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD. 2,989,991
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD. 2,994,644
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD. 2,997,130
YOGEV, RONEN 2,986,370
YOGEV, RONEN 2,986,518
YOKOYAMA, ITARU 3,004,042
YONEMORI, JINICHI 2,988,572
YOO YOUNG PHARM CO.,LTD. 2,992,404
YOO YOUNG PHARM. CO.,LTD. 2,994,797
YOO, HYUK 2,993,430
YOO, IN HWA 2,998,312
YOO, MOON-SOO 2,993,430
YOON, JEEN MOK 2,999,013
YOON, JONG MIN 2,992,829
YOON, TAEYOUNG 2,995,675
YOON, YOO JEONG 2,993,923
YOON, YOO JEONG 2,993,925
YOON, YOO JEONG 2,993,928
YORK INSTRUMENTS LIMITED 2,993,345
YOSHIKAWA, MASATO 2,992,700
YOSHINO GYPSUM CO., LTD. 3,004,042
YOSHINO, HIDEKI 3,000,121
YOUNG, BENJAMIN JOHN 2,992,517
YOUNG, PETER JEFFREY 2,995,568
YOWE, DAVID LANGDON 2,994,516
YRFREE TECHNOLOGIES LTD 3,002,735
YU, KAIBEN 2,990,647
YU, KAREN 3,003,422
YU, LIHUA 3,004,623
YU, LINGFENG 2,989,094
YU, LINGFENG 2,993,416
YU, LINGFENG 2,993,417
YU, LINGFENG 3,004,232
YU, LINGFENG 3,004,517
YU, MINGFENG 2,994,023
YU, SIMON SIU-CHI 2,983,241
YUAN, FANG 3,004,444
YUDS, DAVID 3,004,461
YUE, YANG 3,004,372
YUI, HAJIME 3,004,691
YUI, HAJIME 3,004,850
YUN, CHANGHAN HOBIE 3,004,764
YURLOVA, LARISA 3,004,671
ZACHA, JAMES 3,004,443
ZACHA, JAMES 3,004,447
ZACHARA, CHRISTOPHER 3,004,172
ZAIKOV, VADIM G. 3,004,264
ZAJACZKOWSI, PETER 3,004,619
ZAK, JOSEF 2,989,673
ZAKEN, ROI 3,003,979
ZAMBAD, SHITAL KUMAR 2,997,364
ZAMBAD, SHITAL KUMAR 2,997,463
ZAMIR, DANI 2,989,991
ZANG, MARCUS 2,997,308
ZAPF, CHRISTOPH WOLFGANG 2,996,389
ZAPF, THOMAS 2,996,373
ZAPOTOCZNY, SZCZEPAN 2,992,705
ZEBREGS, MARTIJN 2,997,900
ZELEKE, SOLOMON TADESSE 2,994,023
ZEMACH, ITAY 2,989,991
ZENG, SHAOQUN 3,004,374
ZENITH OILFIELD TECHNOLOGY LIMITED 3,004,149
ZHANG, BIN 3,004,594
ZHANG, GUOPENG 3,001,046
ZHANG, HAIYAN HENRY 3,004,783
ZHANG, HUIQUAN 3,004,361
ZHANG, JINGYUAN 3,004,797
ZHANG, JIYAO 3,003,906
ZHANG, LIANGHUI 3,004,644
ZHANG, LIANSHAN 3,004,804
ZHANG, SHIYU 3,003,937
ZHANG, SHIYU 3,004,187
ZHANG, WANQIN 2,984,569
ZHANG, WEI 3,004,415
ZHANG, WENJUN 3,004,644
ZHANG, WENJUN 3,004,650
ZHANG, XI 3,004,058
ZHANG, XIAOLIN 3,004,372
ZHANG, YANSHI 3,004,729
ZHANG, YI 3,004,592
ZHANG, ZHONGXING 2,991,467
ZHANG, ZHONGXING 2,994,791
ZHANG, ZHONGXING 2,995,042
ZHANG, ZHONGXING 2,995,087
ZHAO, DE 3,004,797
ZHAO, HUAN 3,004,143
ZHAO, JIE 2,984,569
ZHAO, KUIBING 2,981,869
ZHAO, PENG 3,003,897
ZHENG, GUO ZHU 3,004,623
ZHENG, PU 2,998,687
ZHONG, YAN 3,004,062
ZHOU, KAI 3,004,147
ZHOU, MIN 3,004,469
ZHOU, WENSHENG 3,004,525
ZHU, FENQIN 3,004,775
ZHU, HONGZHI 2,989,711
ZHU, WENJIE 3,004,644
ZHU, YANFANG 2,989,711
ZHU, ZHENGLUN 3,003,877
ZHU, ZHONGYU 3,004,438
ZIEGENBEIN, TIMO 3,004,806
ZIEMS, BERND 3,004,806
ZIESKE, LYNN R. 2,994,518
ZIEVERINK, MARTINUS MATHILDA PIETER 2,988,392
ZIGELBOIM, OR 3,004,821
ZIMMERLI, PHILIPP 3,004,628
ZIMMERMANN, DIETRICH 3,004,119
ZIOLOWICZ, ANNA 3,000,156
ZITTING, SAMULI 3,004,181
ZITTING, SAMULI 3,004,662
ZIV, ILAN 2,995,663
ZOLGHADR, KOUROSH 3,004,671
ZOPPAS, MATTEO 3,004,168
ZSELLER, VIKTOR 3,004,325
ZULZER, PETER 3,004,806
ZUO, CHENGJIE 3,004,764
ZWILLINGER, DANIEL 3,004,452
□PANIELKA, JAN 2,996,474

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

ADAMS, THOMAS A., II 2,982,472
AIKALA, LARS 3,003,994
ALLERGAN, INC. 2,967,401
ALLERS, BRIAN S. 2,984,298
ALLIANCE MANUFACTURING, INC. 2,971,029
AMIDON, KEITH ERIC 3,002,975
ARRIAGA, JORGE ALBERTO 3,004,012
ARRIAGA, JORGE ALBERTO 3,004,018
ARRIAGA, JORGE ALBERTO 3,004,040
ATC TRANSPORTATION LLC 3,004,069
ATOMIC ENERGY OF CANADA LIMITED (AECL) 3,004,276
BACIGALUPO, MARIA CANDELARIA ROGERT 3,003,082
BALLAND, PETER J., III 3,002,975
BALLINGER, SARAH 2,982,472
BAXTER, L. REX 2,977,886
BEASLEY, BRYAN 2,977,886
BEDNARCZYK, ANDREA 2,984,223
BEIERLE, JOHN M. 3,003,082
BENSON, TODD W. 3,004,093
BERTI, LORENZO 3,003,082
BIENIARZ, CHRISTOPHER 2,995,467
BINK, JEROEN 3,004,061
BLITON, RICHARD 2,977,774
BOURGEOIS, JEAN-RAYMOND 3,000,321
BOWEN, M. SHANE 3,003,082
BRUNDAGE, DAVID J. 2,984,219
CARROLL, WILLIAM 2,977,774
CASADO, MARTIN 3,002,975
CCI THERMAL TECHNOLOGIES INC. 2,984,748
CHANG, GORDON 3,002,446
CHANG, JOHN Y. 3,002,994
CHEN, TEDDY C. 3,004,093
CHEON, MIN-SU 3,003,797
CLARE, ROBERT HUGH 2,977,513
CLIFFORD, ANTON G. 3,002,994
COVIDIEN LP 3,003,793
DELBUSSO, MARCO 2,984,223
DIRECT PACK, INC. 2,977,887
DOUGLASS, NELSON 2,977,774
DRAPER, ALAN S. 3,004,012
DRAPER, ALAN S. 3,004,018
DRAPER, ALAN S. 3,004,040
ELLIS, PETER 2,984,281
FACTEAU, WILLIAM M. 3,002,994
FARRELL, MICHAEL 2,995,467
FEASEY, GUY F. 3,004,101
FINDLAY, MELISSA ANN 3,004,012
FINDLAY, MELISSA ANN 3,004,018
FINDLAY, MELISSA ANN 3,004,040
FLASINSKI, STANISLAW 3,004,030
FLASINSKI, STANISLAW 3,004,039
FORREST, EARL DAVID 2,985,008
FORSELL, PETER 3,004,075
FORSELL, PETER 3,004,121
GALLOP, CHARLES C. 2,984,208
GARBARINO, GWENDOLYN MARY 3,004,025
GENPAK, LLC 2,984,298
GOLDFARB, ERIC 3,002,994
GROSS, JESSE E., IV 3,002,975
GROWERS EXPRESS, LLC 2,977,366
GUNDERSON, KEVIN L. 3,003,082
HERSAK, GREG 3,004,276
ICM, INC. 2,984,208
ILLUMINA, INC. 3,003,082
INGRAM, PAUL S. 3,002,975
JOHNSON, DONALD 2,995,467
JOHNSON, KENNETH DAVID 3,002,446
JUNG, HAE-KYUNG 3,003,797
KARR, GARY L. 2,977,886
KAUFMAN, RICHARD CLARK 3,002,989
KIKUIRI, KEI 3,002,931
KIM, IL-KOO 3,003,797
KING, JAMES MITCH 3,004,276
KNOWLES, JAMES H. 3,002,446
KOPONEN, TEEMU 3,002,975
KOSMEDER, JERRY W. 2,995,467
KRATZER, JEFF A. 2,977,886
LE, TUONG THANH 3,004,101
LEE, SUN-IL 3,003,797
LEFEVER, MARK 2,995,467
LIBERTY HARDWARE MFG. CORP. 2,985,008
LIN, SHENGRONG 3,003,082
LIN, TZONG-FU 3,004,026
LIU, GREGORY 3,002,994
MABU, HIROTOSHI 2,984,054
MACK, JORY B. 2,984,219
MAH, KOR ZHENG 2,984,748
MAKOWER, JOSHUA 3,002,994
MALCOLM, CHIRSTIAN DAMIAN 2,977,887
MALDONADO, ALEJANDRO 2,984,748
MANESIS, NICHOLAS J. 2,967,401
MARTIN, RYAN 2,985,008
MCDADE, CLINTON LAWRENCE 2,977,243
MCMASTER UNIVERSITY 2,982,472
MEDICALTREE PATENT LTD. 3,004,075
MEDICALTREE PATENT LTD. 3,004,121
MICROSOFT TECHNOLOGY LICENSING, LLC 3,003,789
MIN, JUNG-HYE 3,003,797
MITSUI HIGH-TEC, INC. 2,984,054
MONSANTO TECHNOLOGY LLC 3,004,030
MONSANTO TECHNOLOGY LLC 3,004,039
MORRISON, BILLY 2,984,223
MORRISS, JOHN H. 3,002,994
MORTON, EDWARD JAMES 3,002,818
MOTIVE DRILLING TECHNOLOGIES, INC. 3,004,093
NANOSPHERE HEALTH SCIENCES, LLC 3,002,989
NH REAL ESTATE HOLDINGS LTD. 2,984,223
NICIRA, INC. 3,002,975
NINGBO DAVID MEDICAL DEVICE CO., LTD. 3,004,061
NOVA CHEMICALS CORPORATION 2,977,513
NTT DOCOMO, INC. 3,002,931
OBEROI, HARINDER 3,004,012
OBEROI, HARINDER 3,004,018
OBEROI, HARINDER 3,004,040
ODELL, ALBERT C.II 3,004,101
OSHINS, JACOB 3,003,789
PALMER, WENDELL 2,984,526
PARK, SANG RYUL 3,003,082
PEDERO PIPE SUPPORT SYSTEMS USA, LP 2,984,281
PETTIT, JUSTIN 3,002,975
PFAFF, BENJAMIN LEVY 3,002,975
PHILLIPS, WILLIAM OSCAR 2,977,774
PLY GEM INDUSTRIES, INC. 2,977,886
POLLOCK, JACOB F. 2,967,401
PRECISION FABRICS GROUP, INC. 2,977,774
RAPISCAN SYSTEMS, INC. 3,002,818
RATCLIFFE, BRANDON 2,977,774
REBMANN, CHAD 2,984,219
RECOVER ENERGY SERVICES INC. 2,984,526
RICHART, OLIVIER 2,995,547
ROMEU GUARDIA, GENER 2,984,004
ROSS, STAN 2,984,526
ROTECNA, S.A. 2,984,004
ROVI GUIDES, INC. 3,002,446
SAMSUNG ELECTRONICS CO., LTD. 3,003,797
SARH, BRANKO 3,004,012
SARH, BRANKO 3,004,018
SARH, BRANKO 3,004,040
SCHAEFER SYSTEMS INTERNATIONAL, INC. 2,977,243
SCHUETTENBERG, DONALD W. 3,004,069
SCIRICA, PAUL A. 3,003,793

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

SELENIUM MEDICAL	2,995,547
SHAHOIAN, ERIK JAMES	3,002,994
SILVER PLUME, LLC	3,004,025
STEPIEN, BRIAN	2,977,366
SZYNKARCZUK, JAREK	2,984,748
THE BOEING COMPANY	3,004,012
THE BOEING COMPANY	3,004,018
THE BOEING COMPANY	3,004,040
TREVINO, JOSE A.	3,004,101
TSAY, JAMES	3,003,082
TSUTSUMI, KIMITAKA	3,002,931
TUSKER MEDICAL, INC.	3,002,994
TWARDOWSKI, ERIC M.	3,004,101
VALOYA OY	3,003,994
VAN DENHOUT, JEROEN	3,004,061
VAN DIJK, OSKAR	3,004,061
VAN ZON, DAVID N.	2,971,029
VEACH, RICHARD R.	2,977,886
VENKATESAN, BALA MURALI	3,003,082
VENTANA MEDICAL SYSTEMS, INC.	2,995,467
VENTURI, JOHN-PHILIP	2,984,223
VIJAYAN, KANDASWAMY	3,003,082
WARNER, MICHAEL V.	2,984,298
WEATHERFORD TECHNOLOGY HOLDINGS, LLC	3,004,101
WENDLANDT, DANIEL J.	3,002,975
WERAN, LORNE	2,984,748
WESTBY, BERNARD	2,984,281
WESTROCK SHARED SERVICES, LLC	2,984,219
WHOLE SPACE INDUSTRIES LTD.	3,004,026
WILLEMSEN, HELEEN	3,004,061
WRAY, RICHARD	3,004,276
WU, YIR-SHYUAN	3,003,082
XU, WEI JAKE	3,004,101
YAMAGUCHI, ATSUSHI	3,002,931
YU, XIAOJIE	2,967,401
ZHILINA, ZHANNA	2,995,467